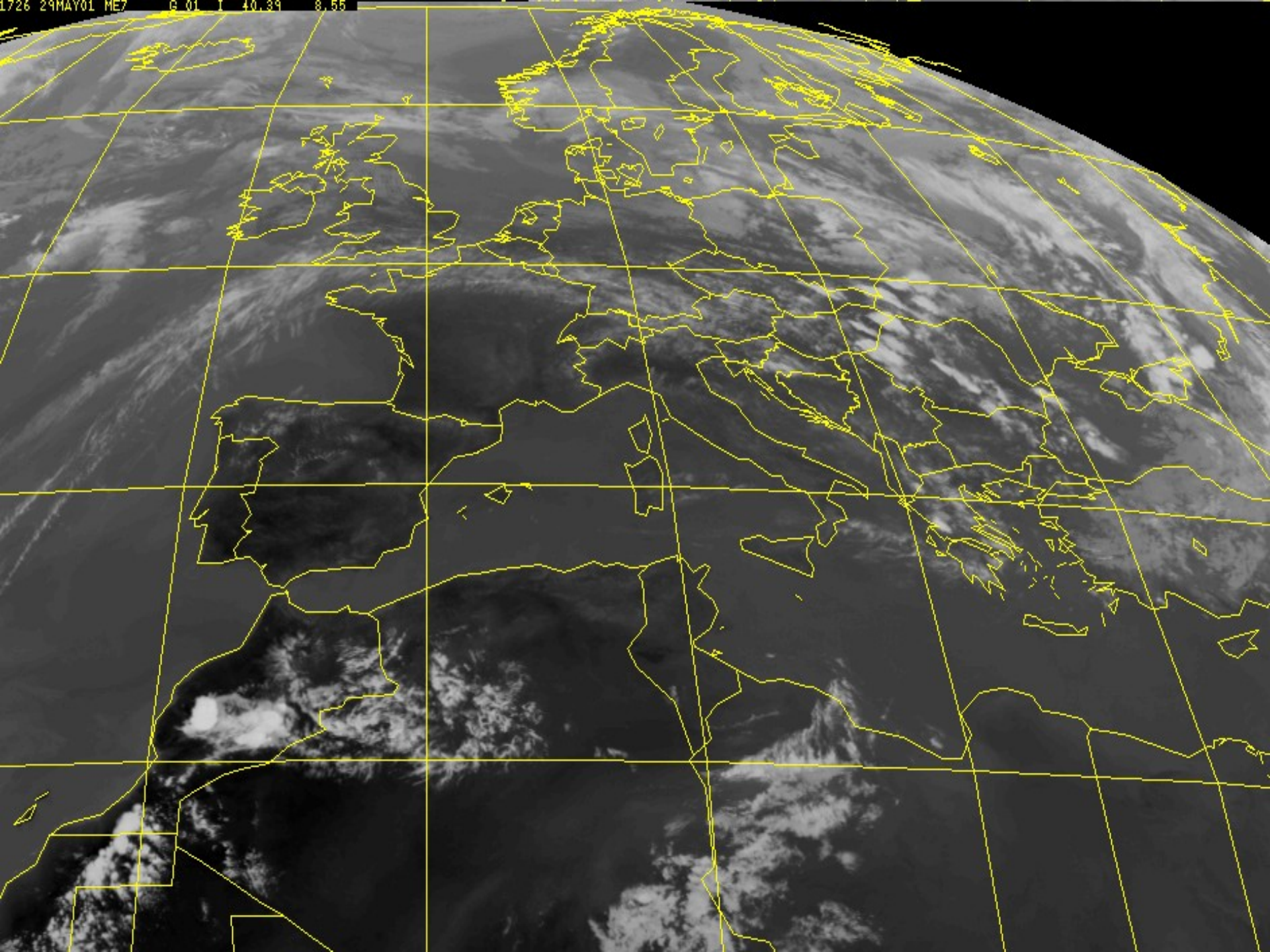
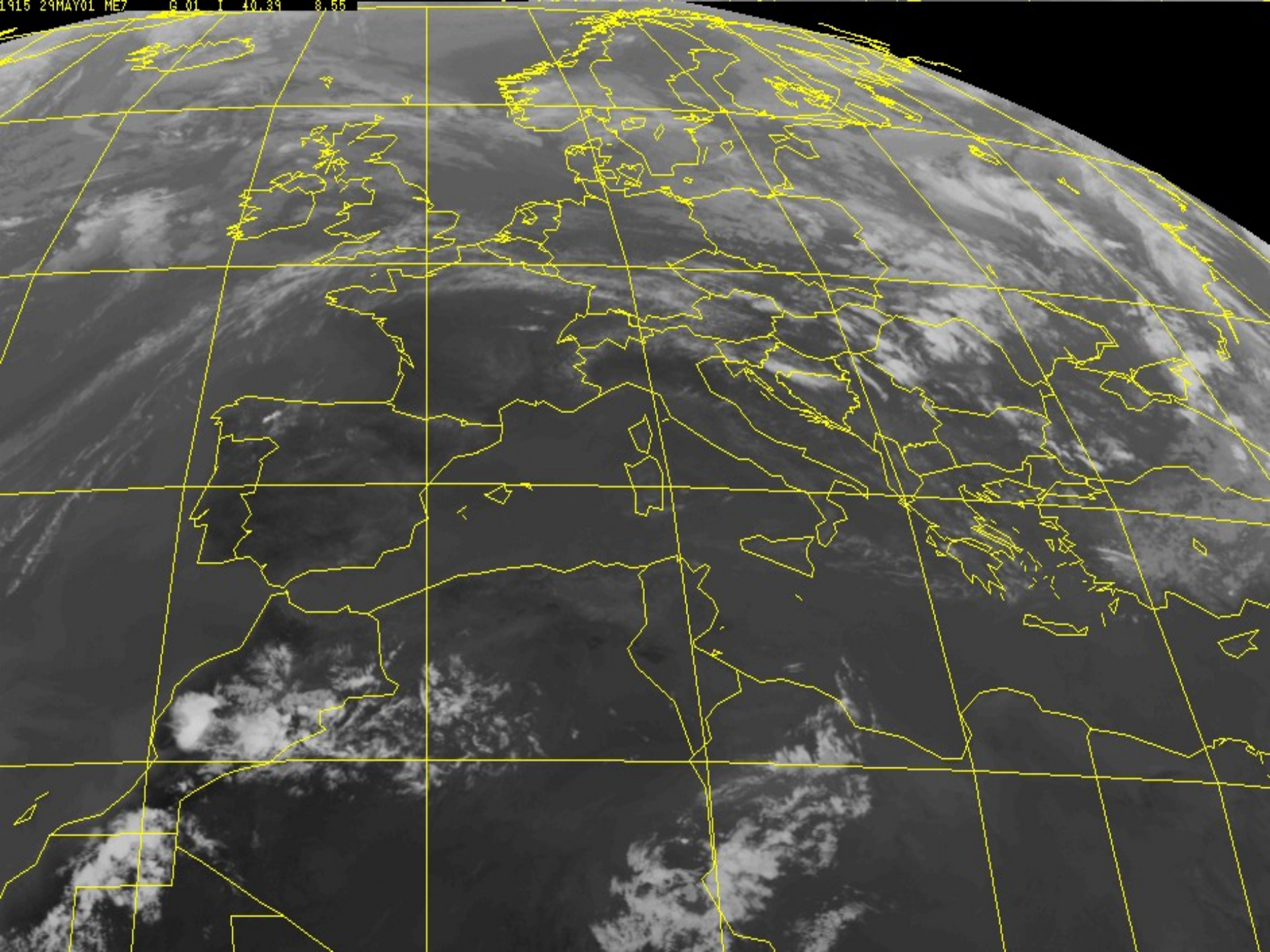


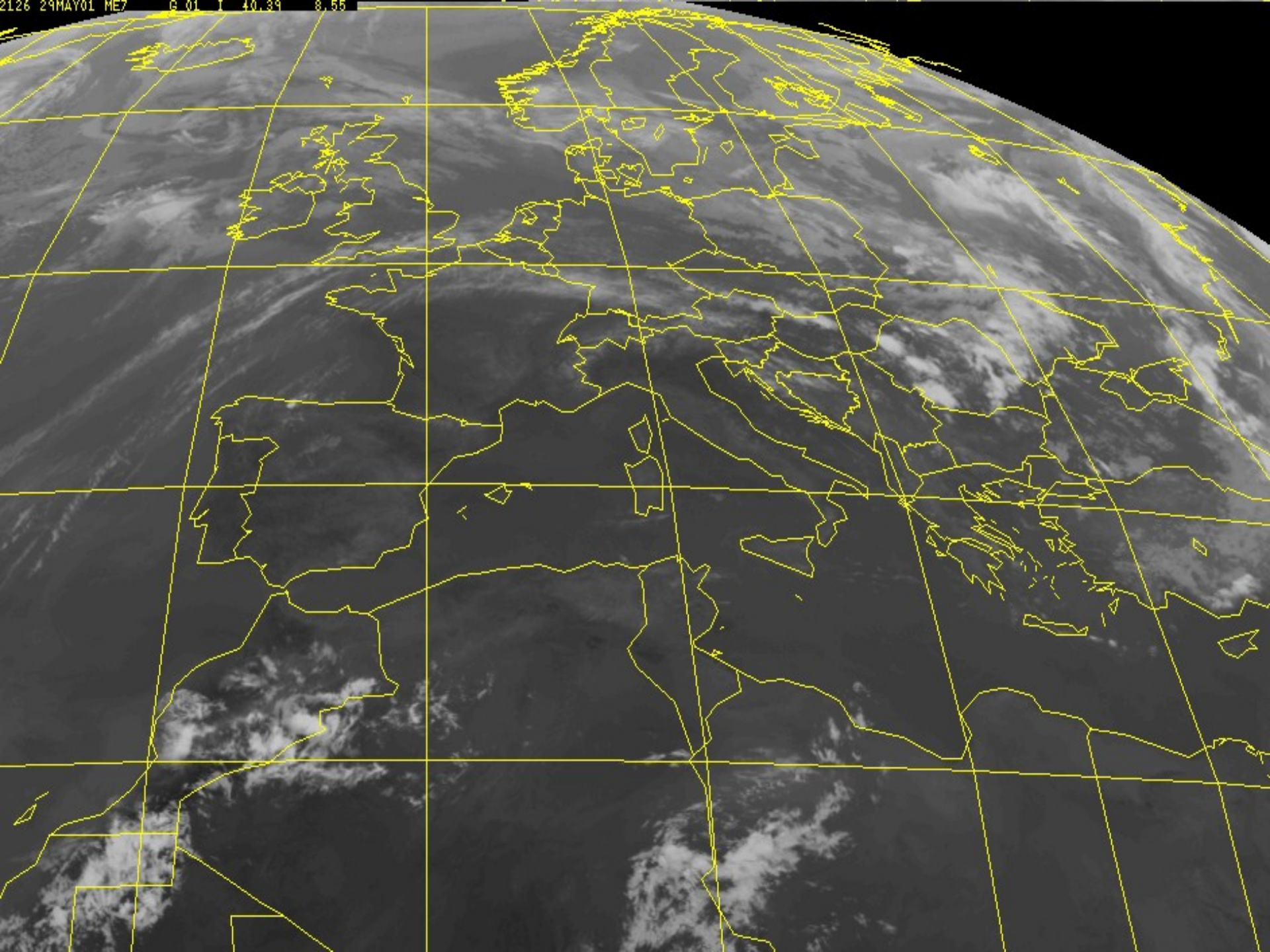
NOWCAST



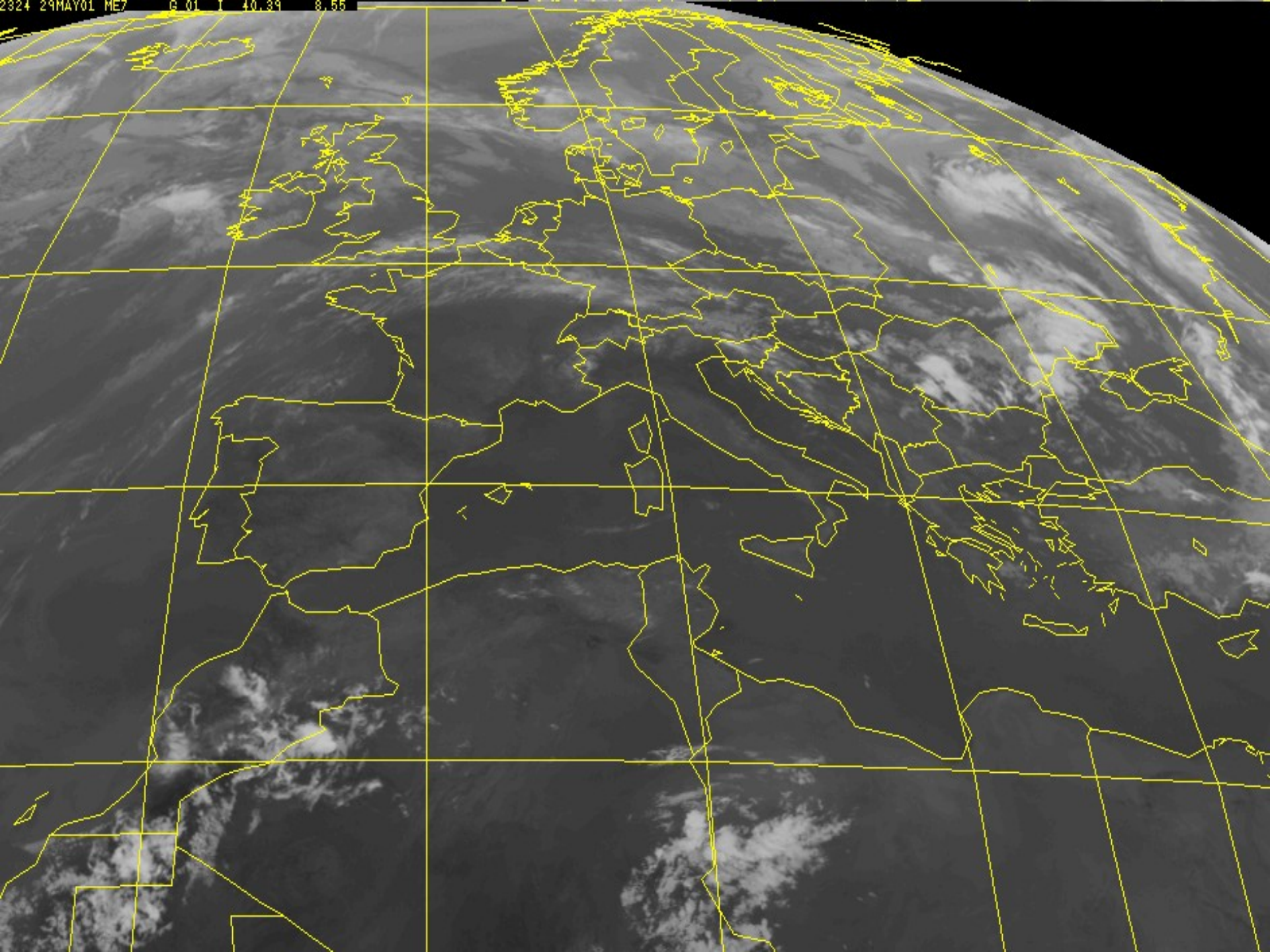


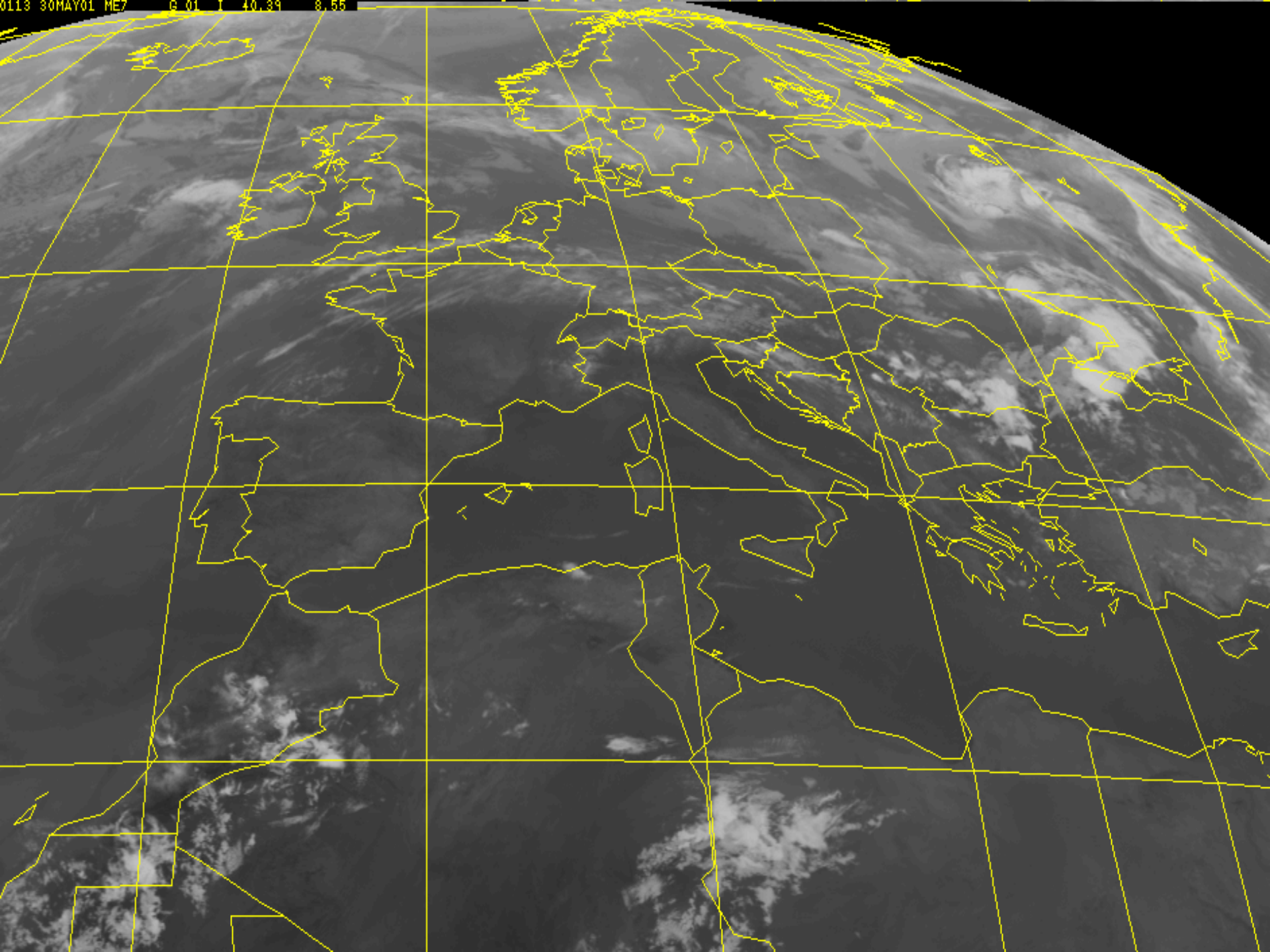






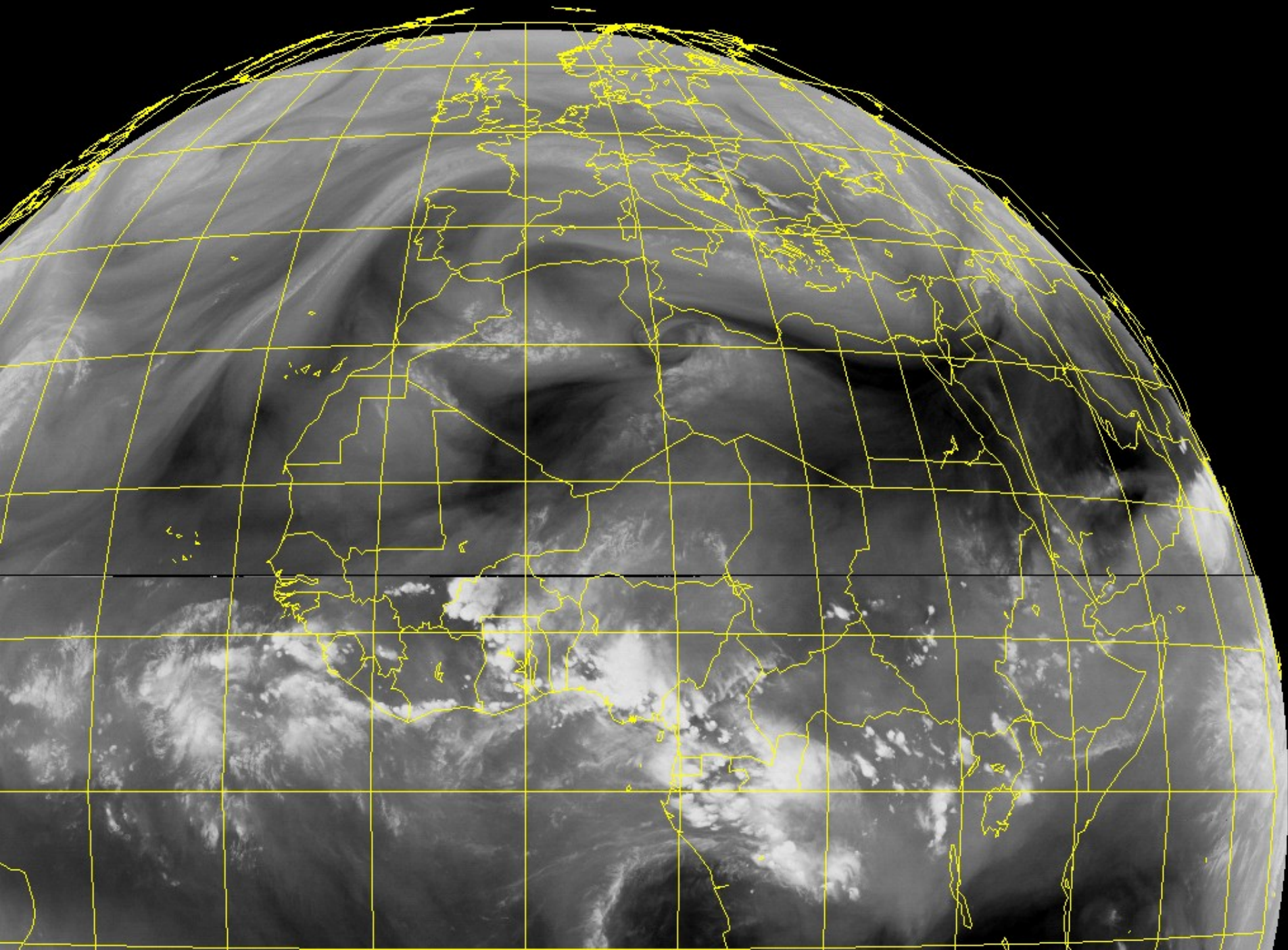




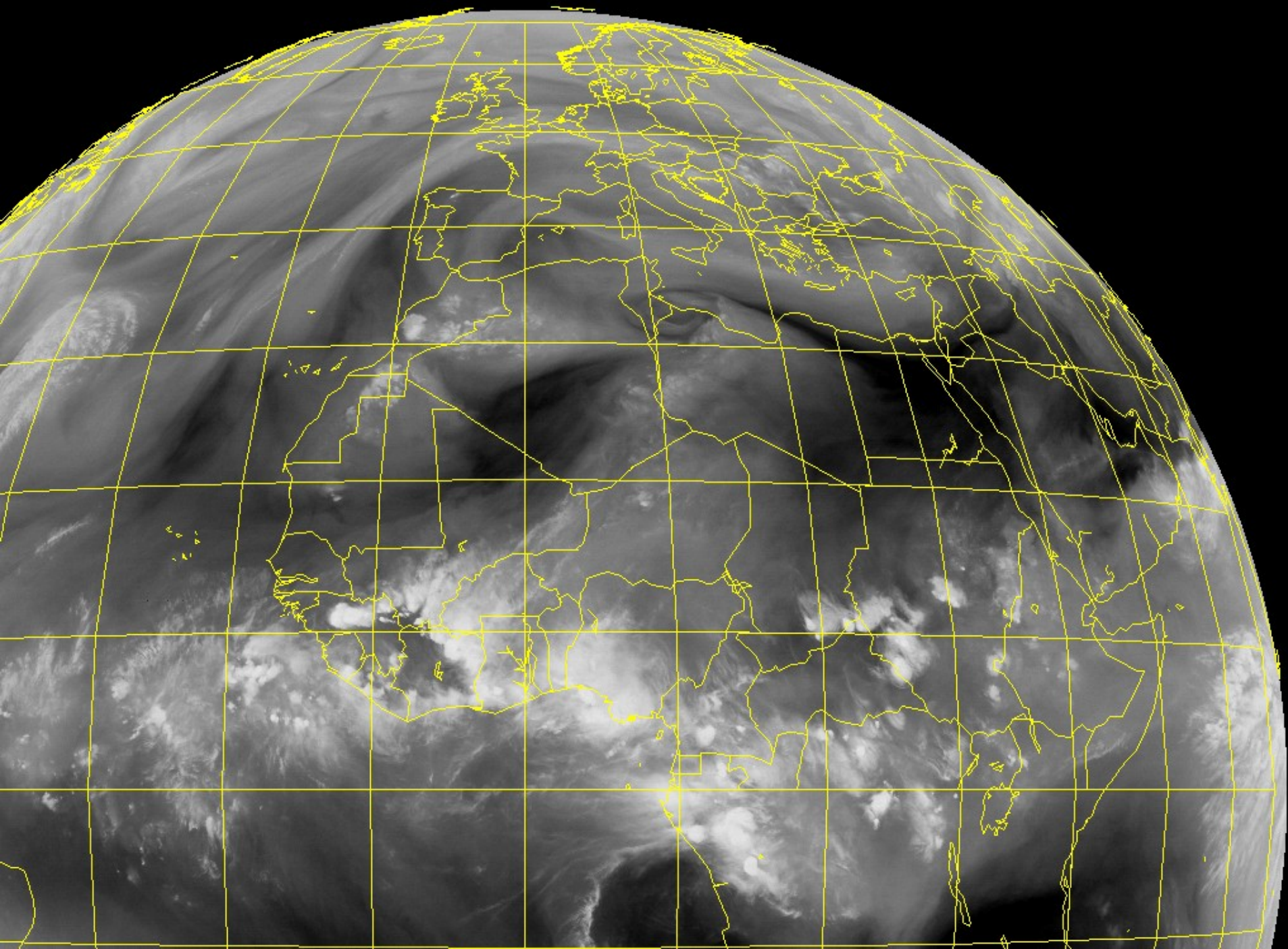




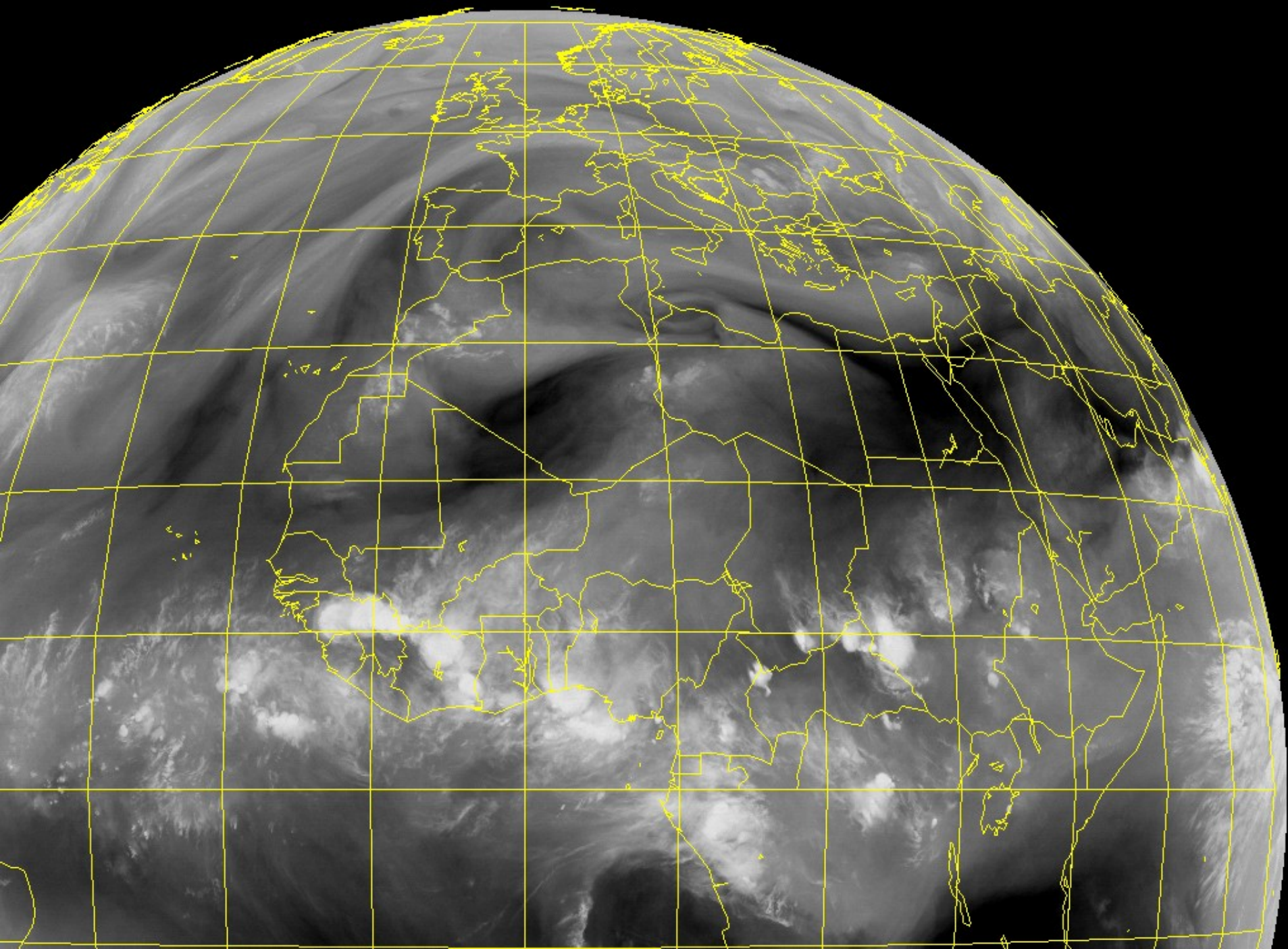




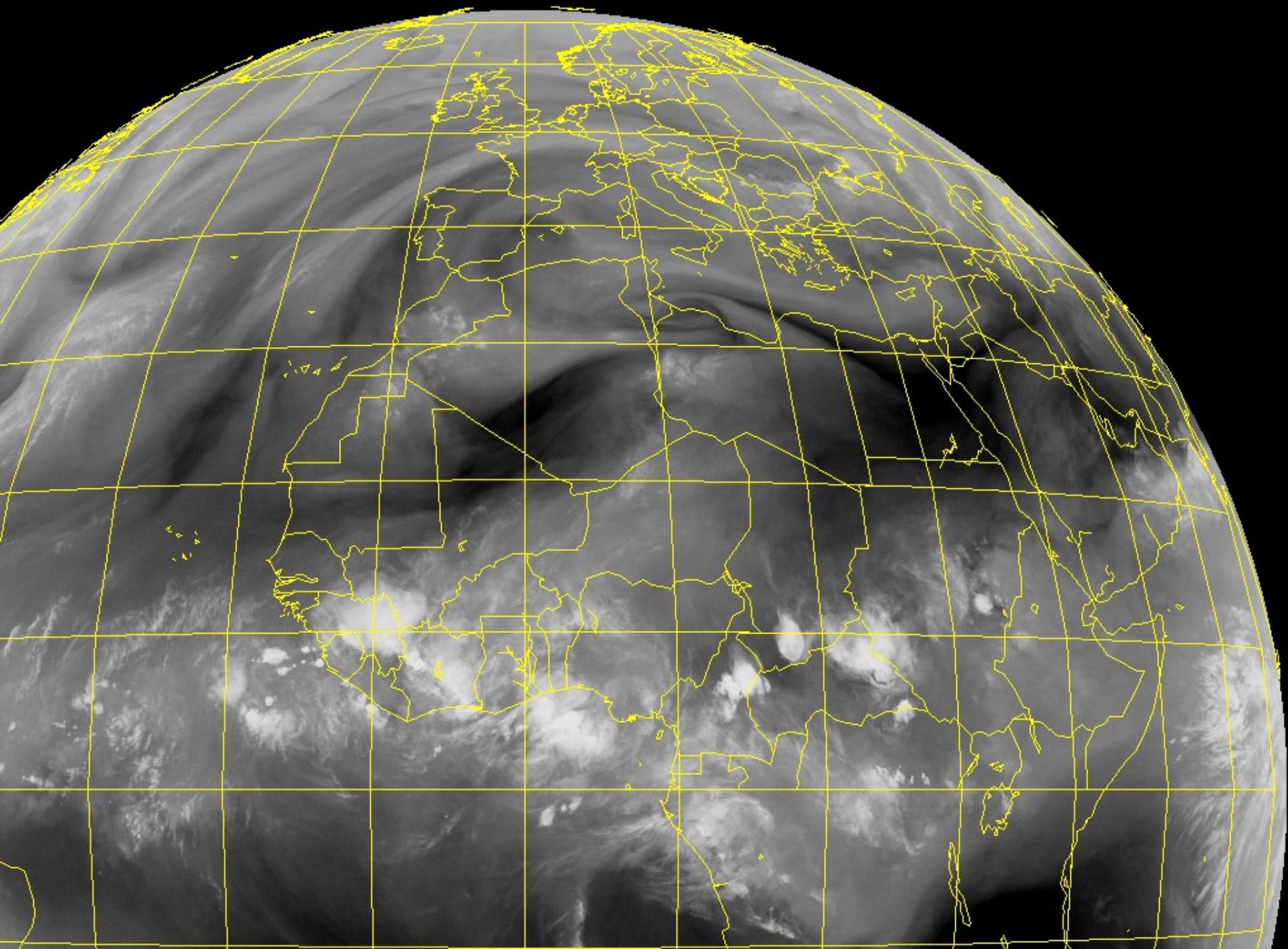












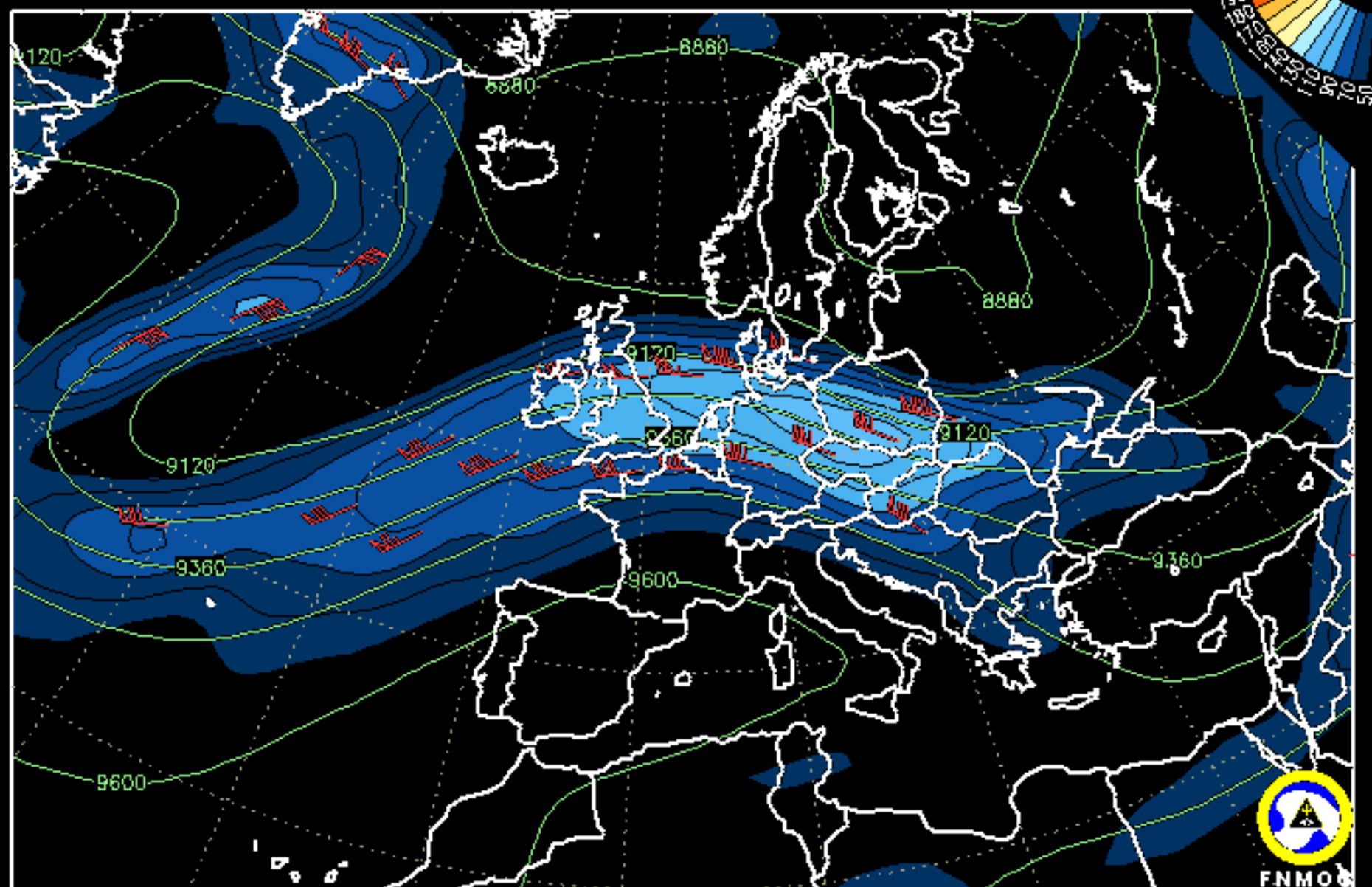




JET STREAM ANALYSIS

30 MAY 00Z

FNMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h

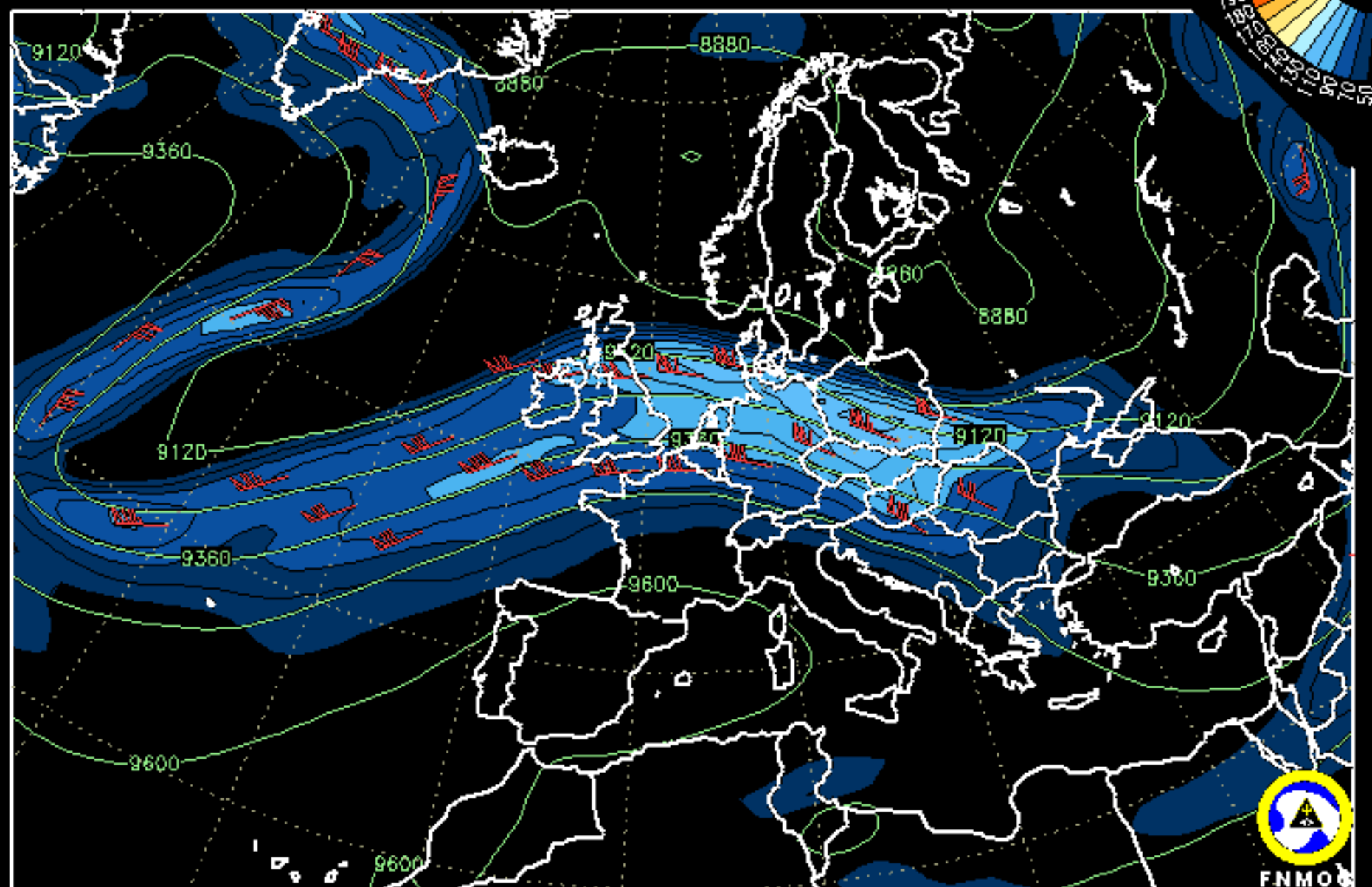


Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isotachs (kts)

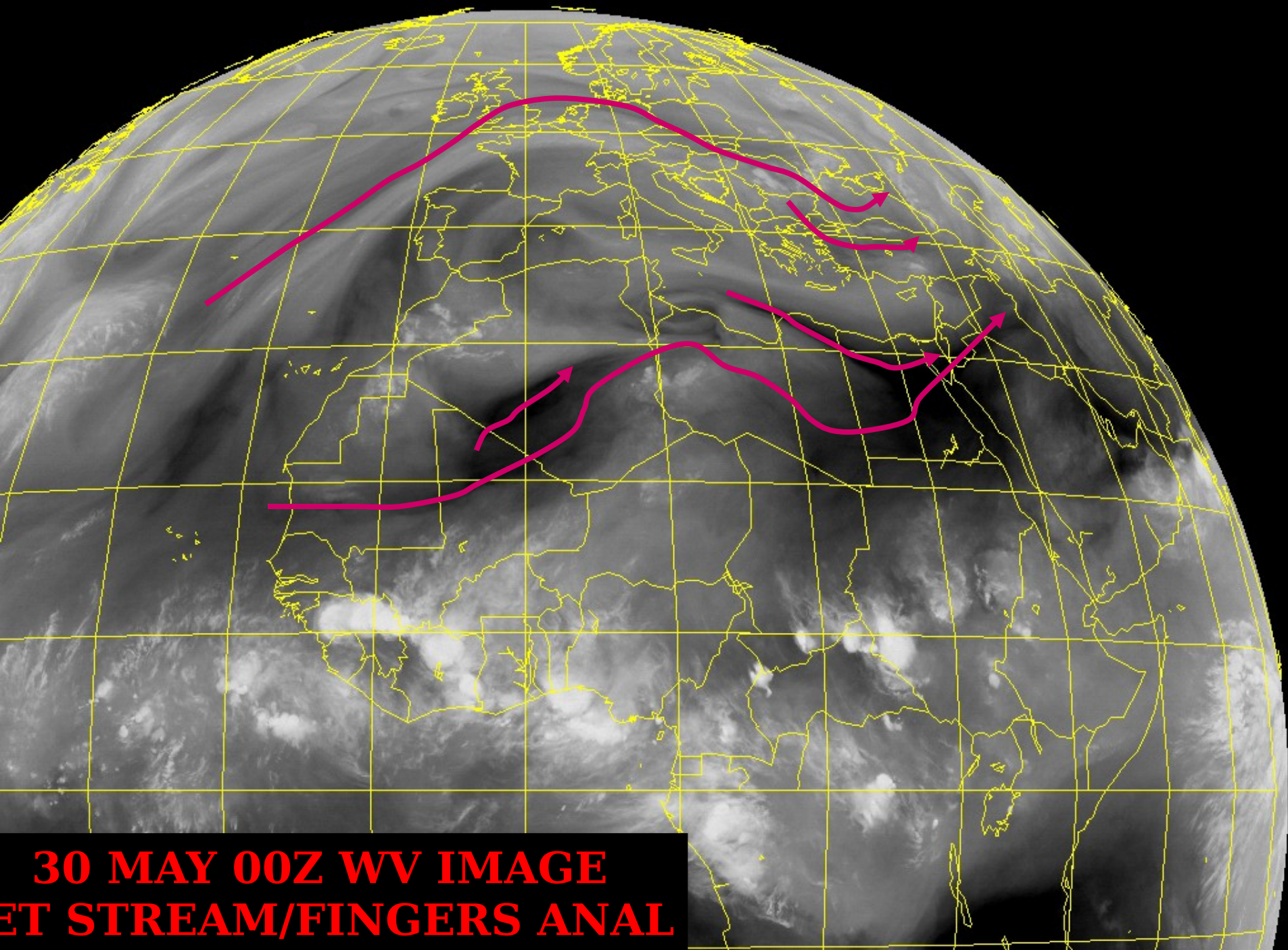


NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

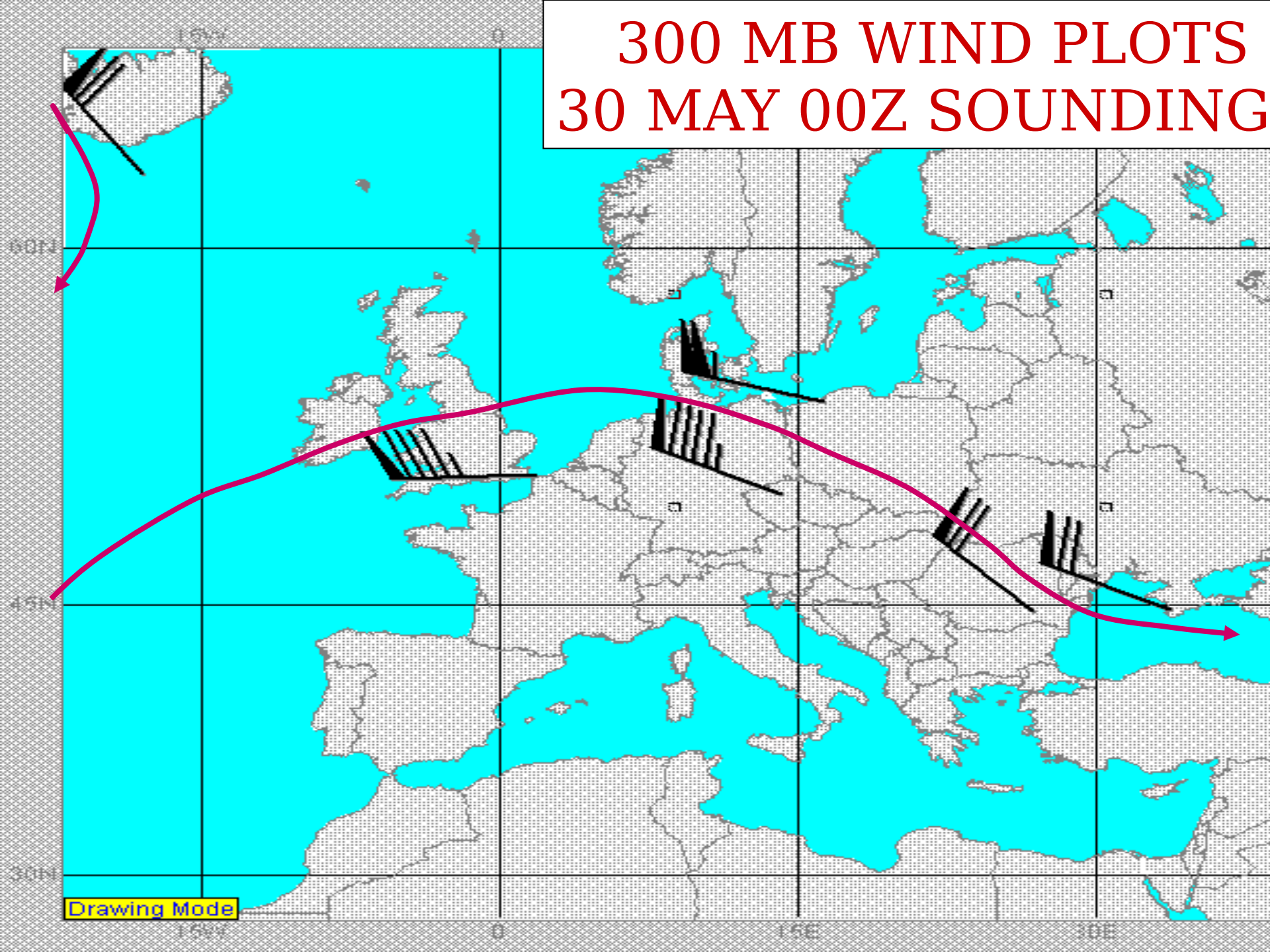
300mb Heights [gpm] and Isotachs (kts)



**30 MAY 00Z WV IMAGE  
ET STREAM/FINGERS ANAL**



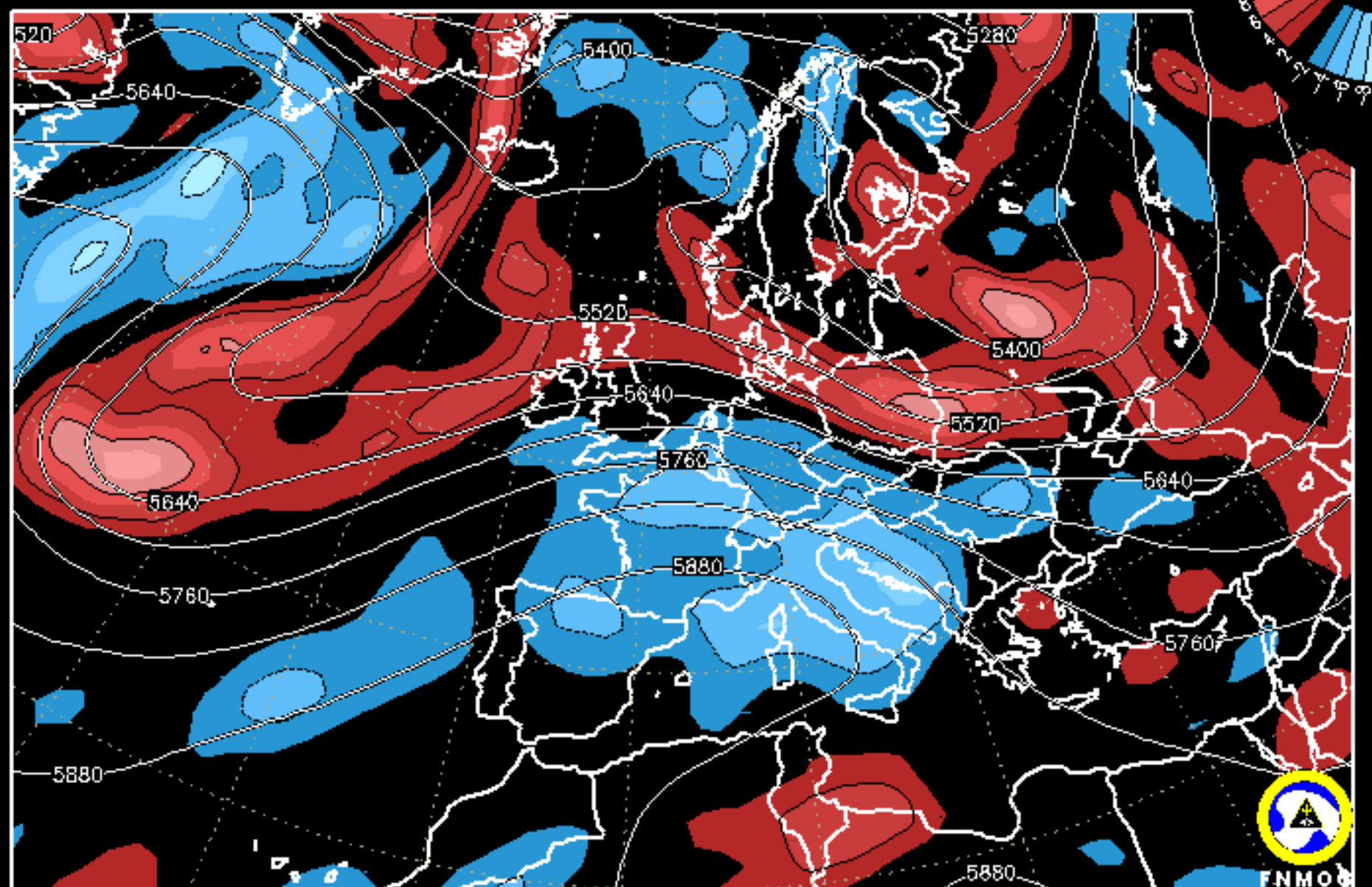
# 300 MB WIND PLOTS 30 MAY 00Z SOUNDING



500 MB ANAL  
30 MAY 00Z



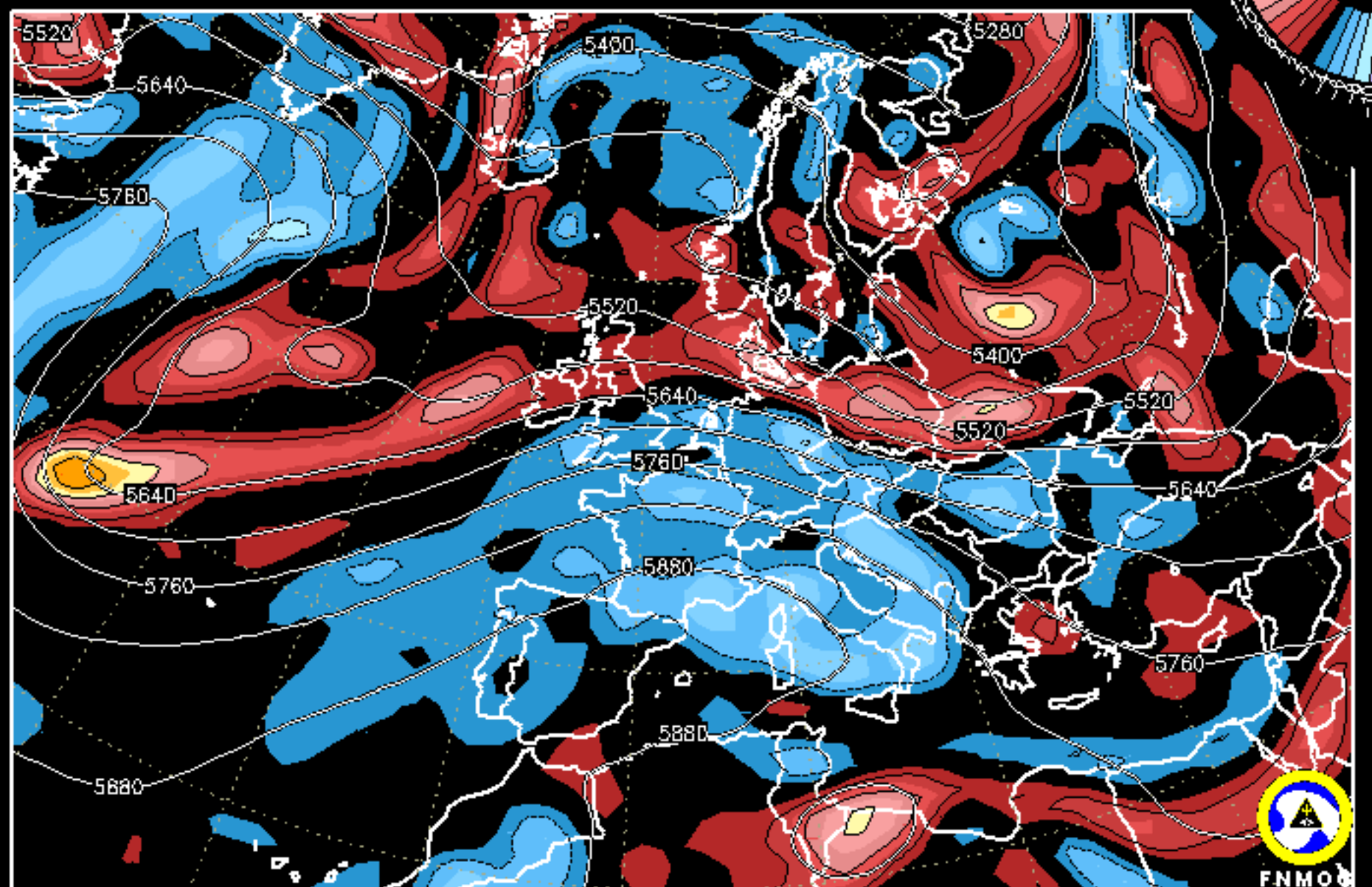
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

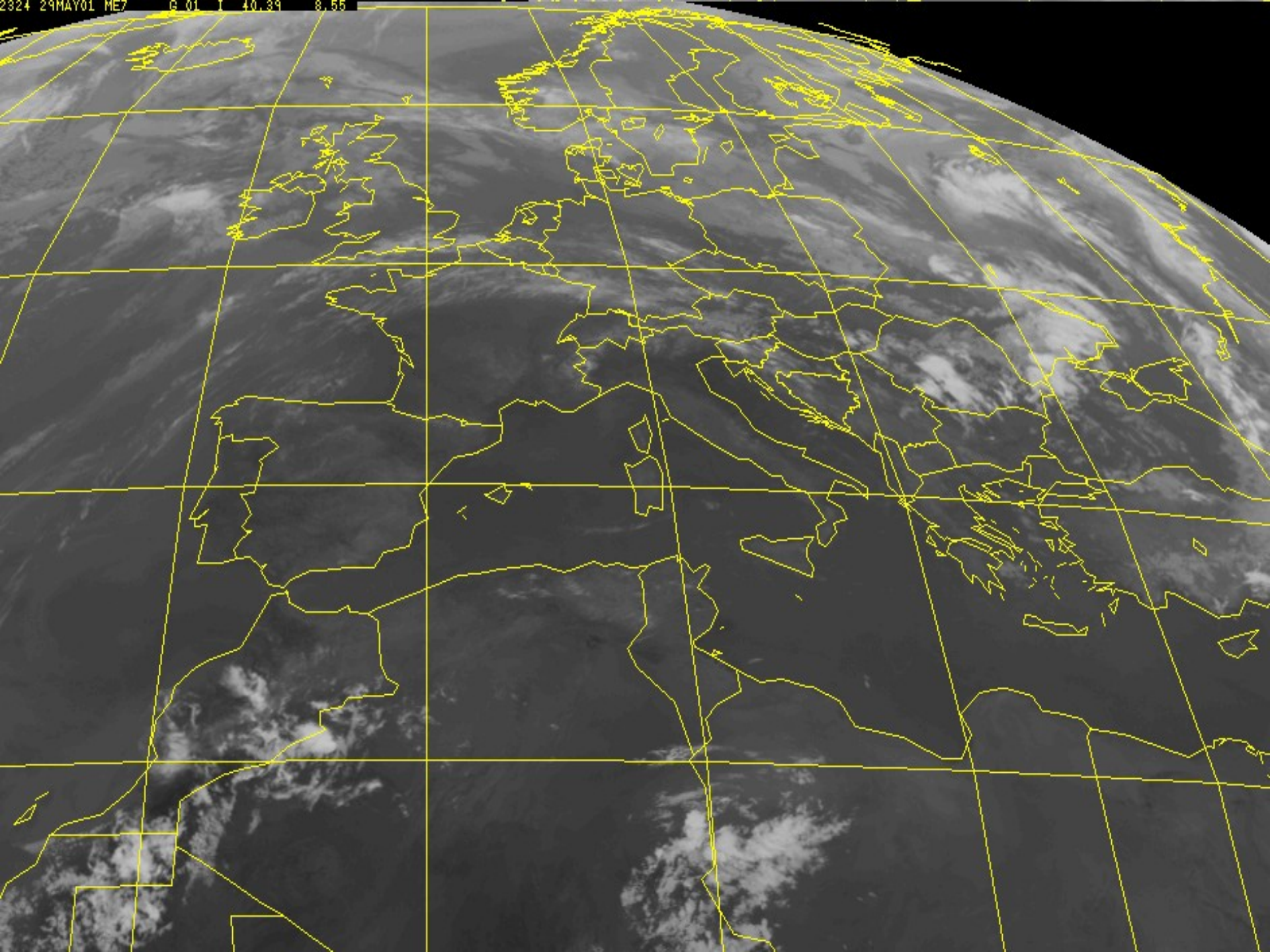
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

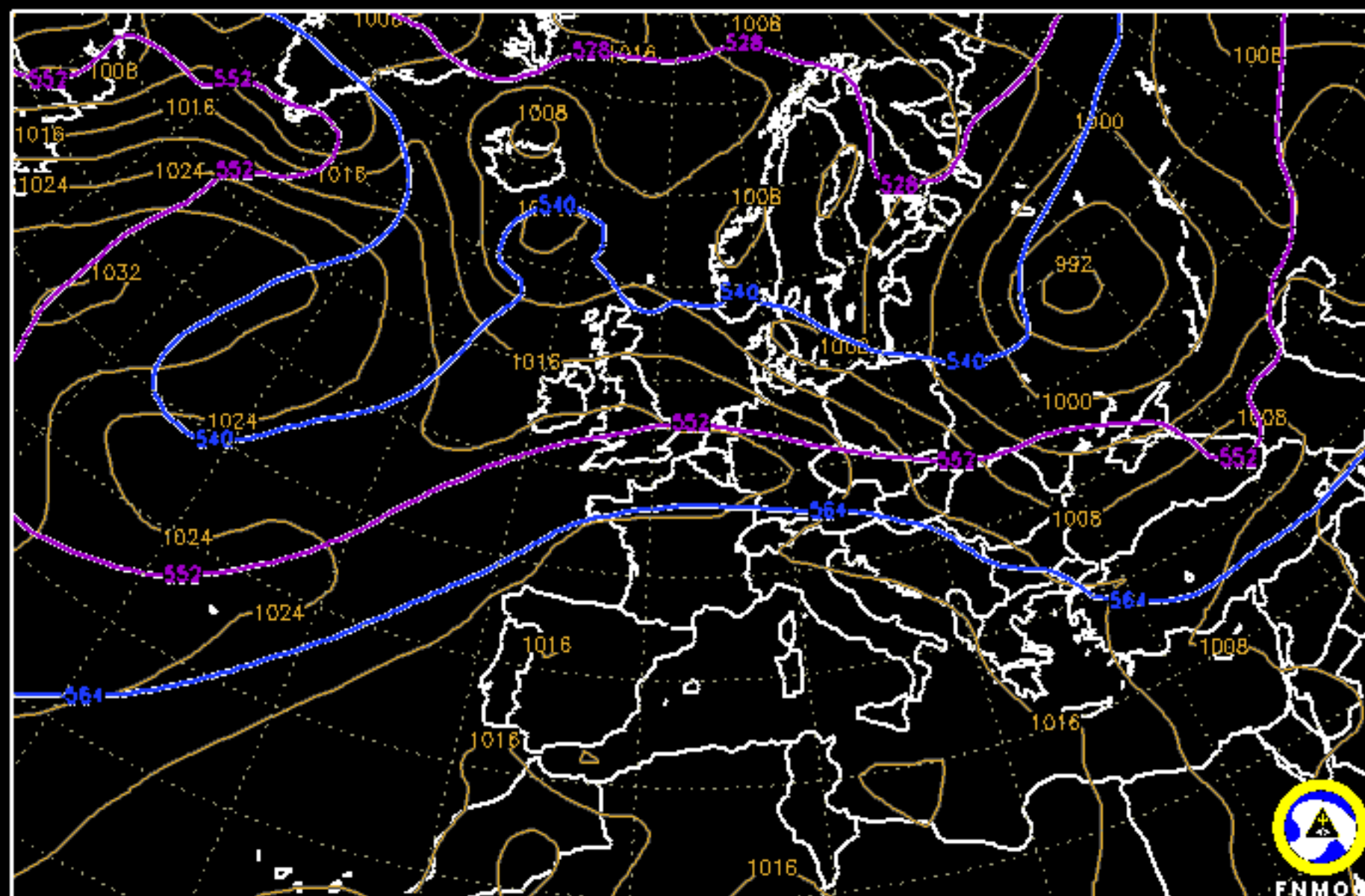




SURFACE  
PRESSURE CENTER  
COMPARISONS  
30 MAY 00Z

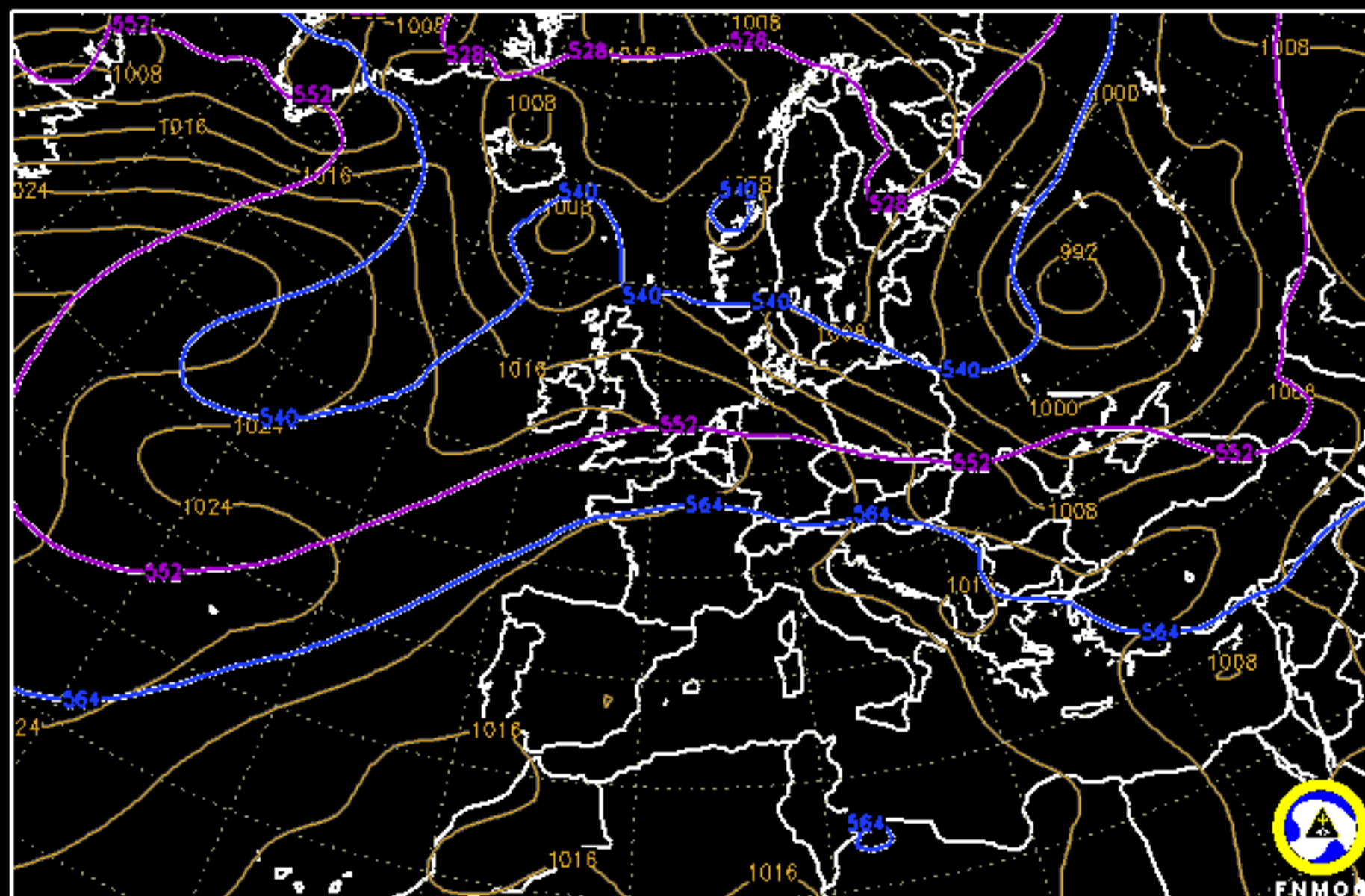


FNMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



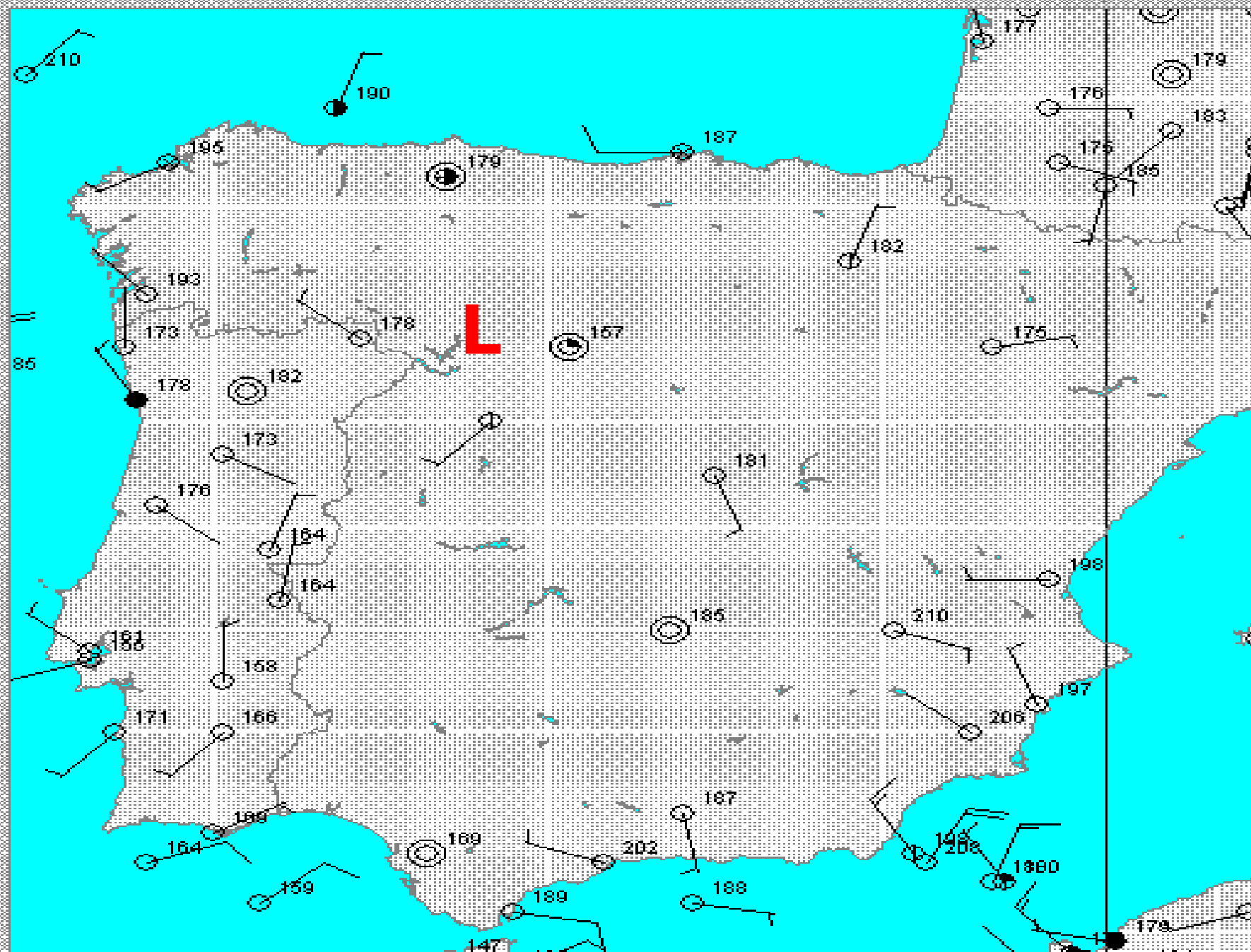
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Prcp Rate [mm/12hr]

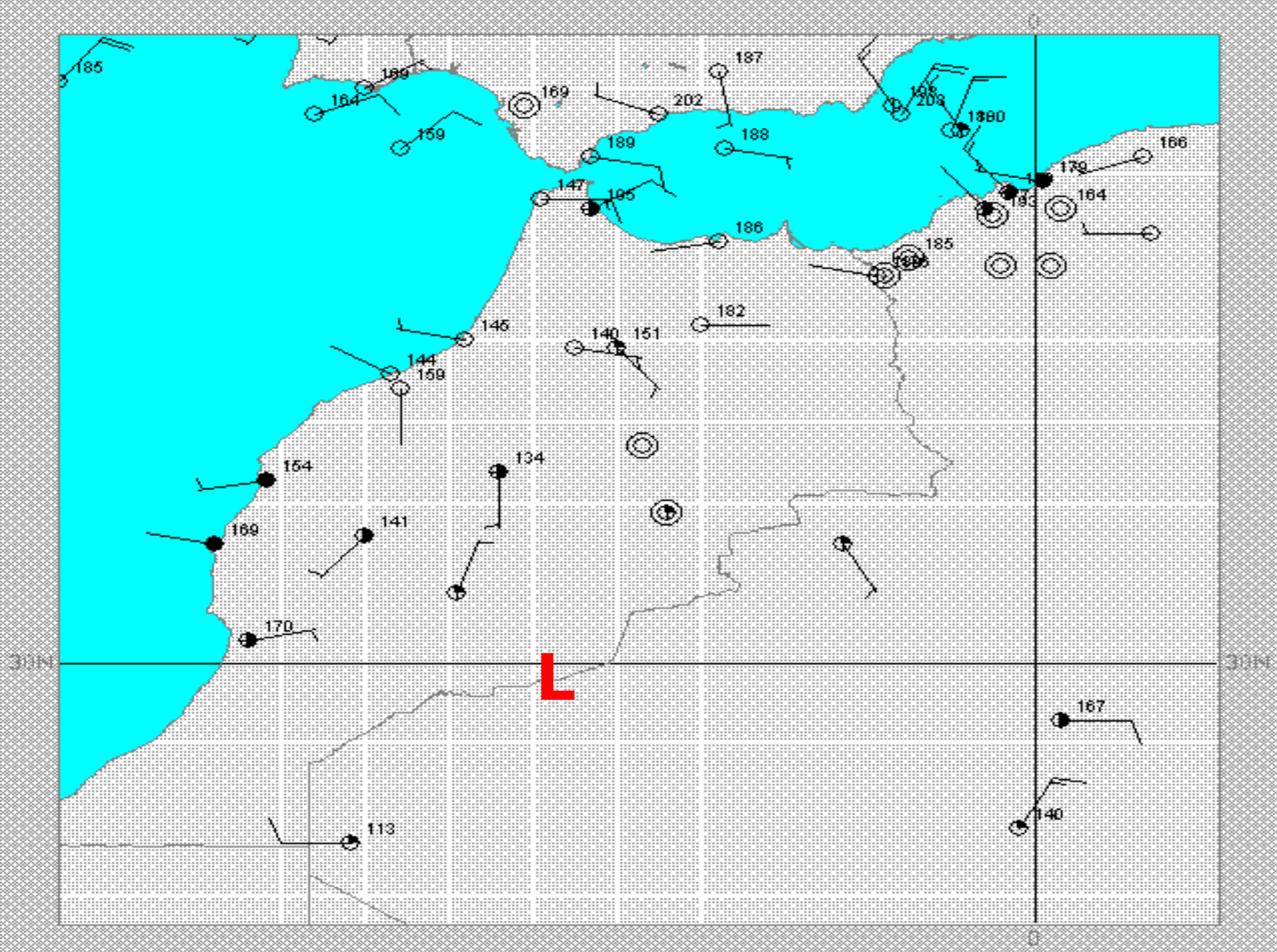
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Prcp Rate [mm/12hr]



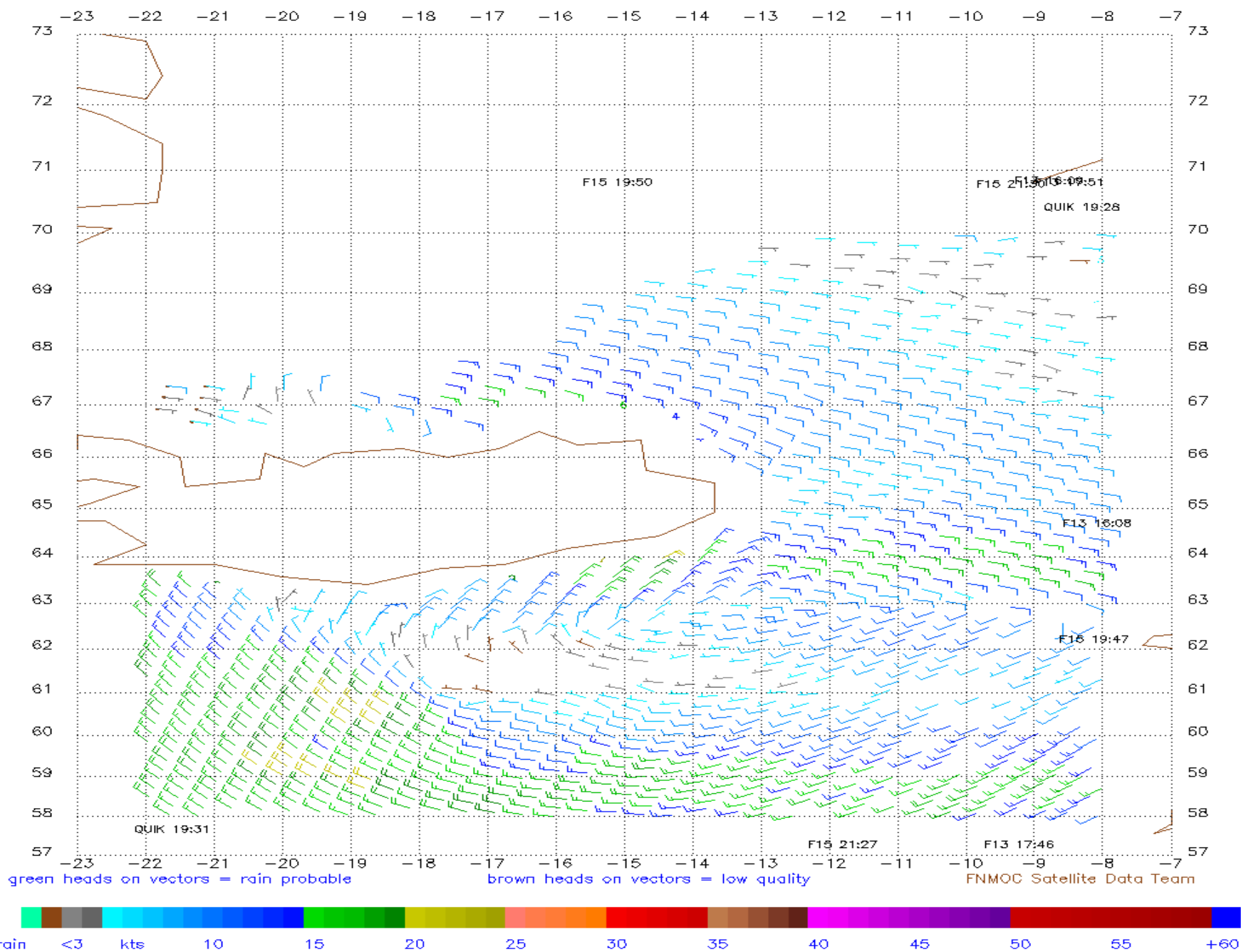


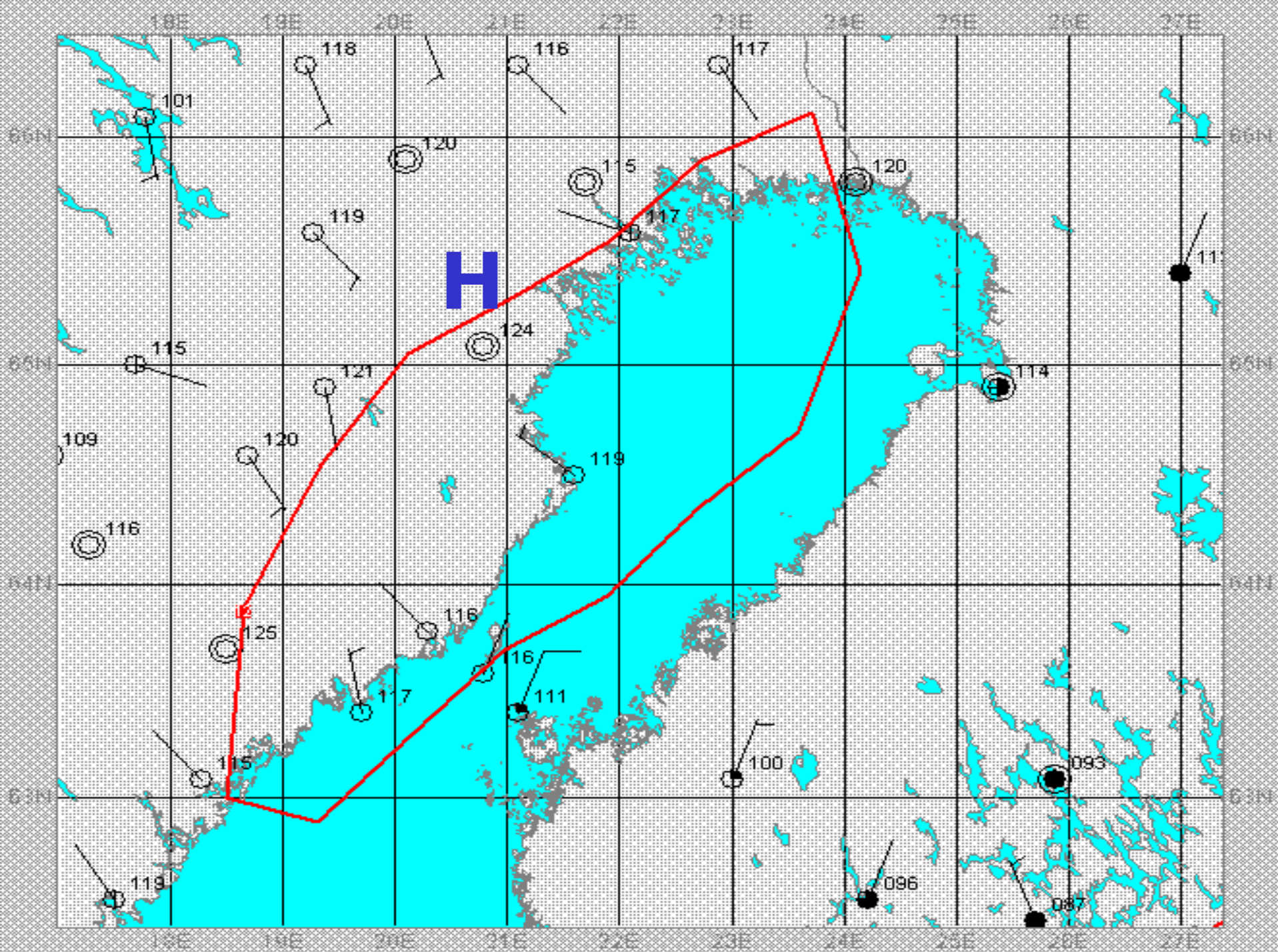




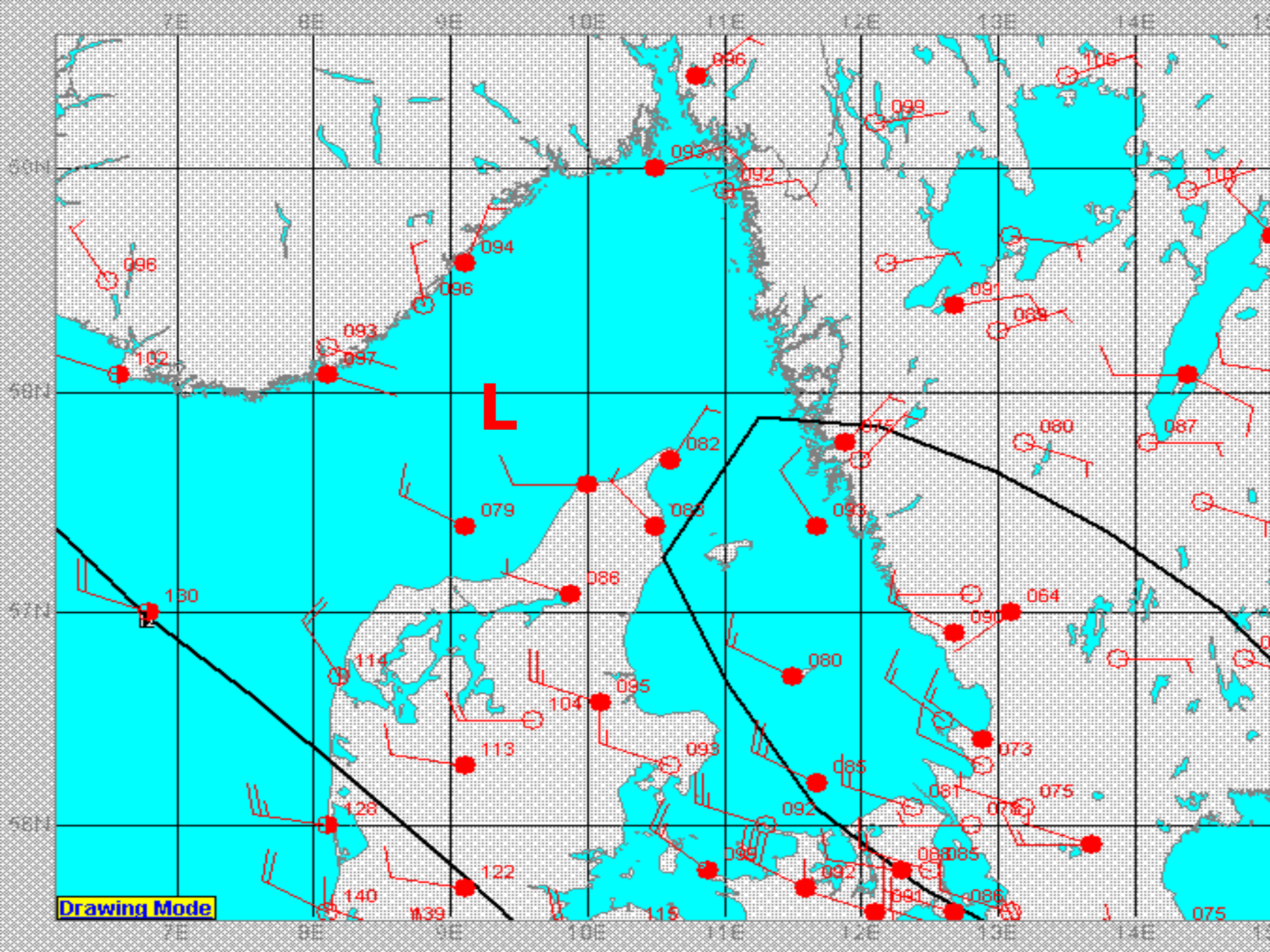
# ERS and QuikScat Scatterometer, SSM/I Wind and Rain, FNMOC Directional Ambiguity Removal.

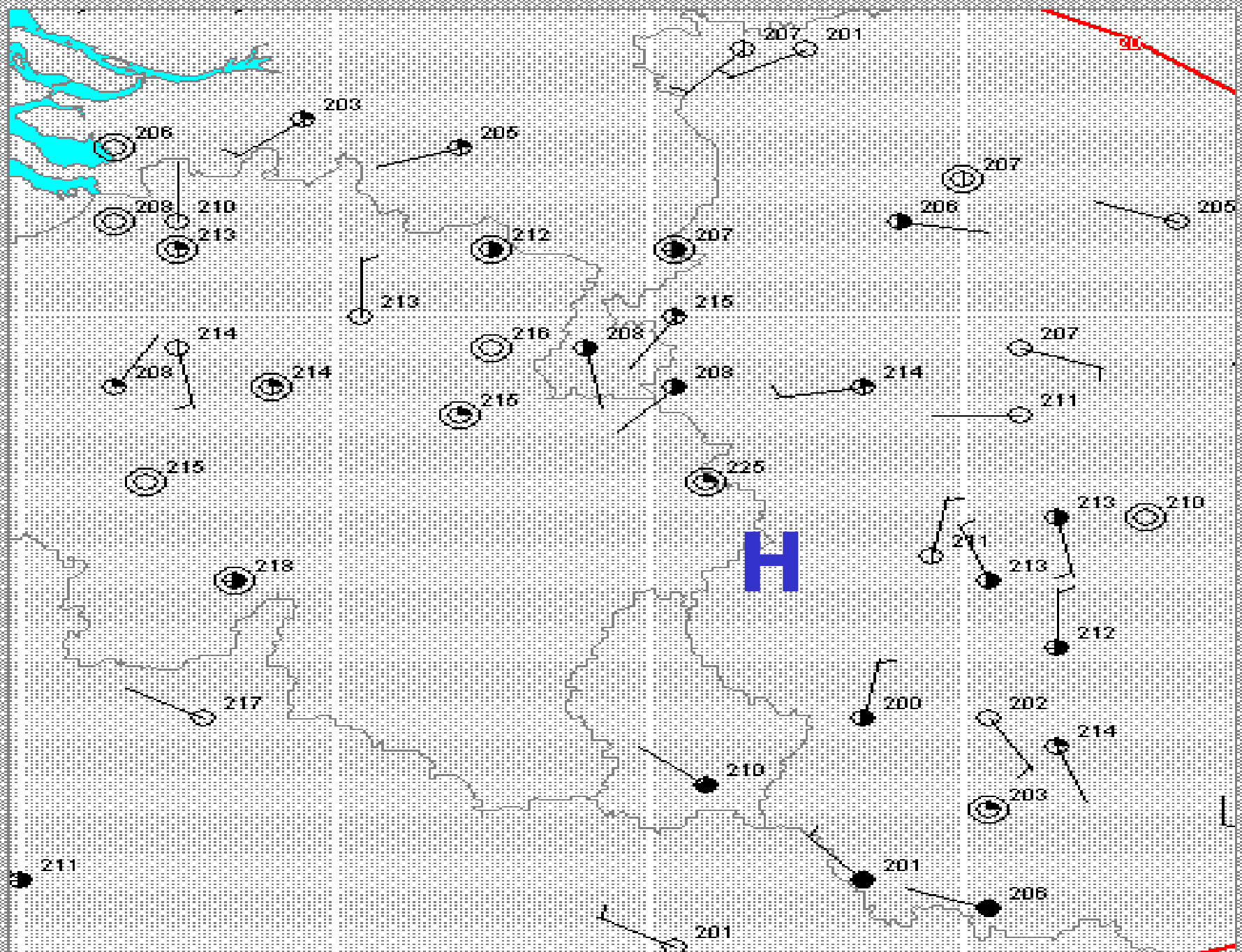
Search Window: Scatterometer: 20010529 15 to 20010530 0 Z DMSP SSM/I: 20010529 15 to 20010530 0 Z







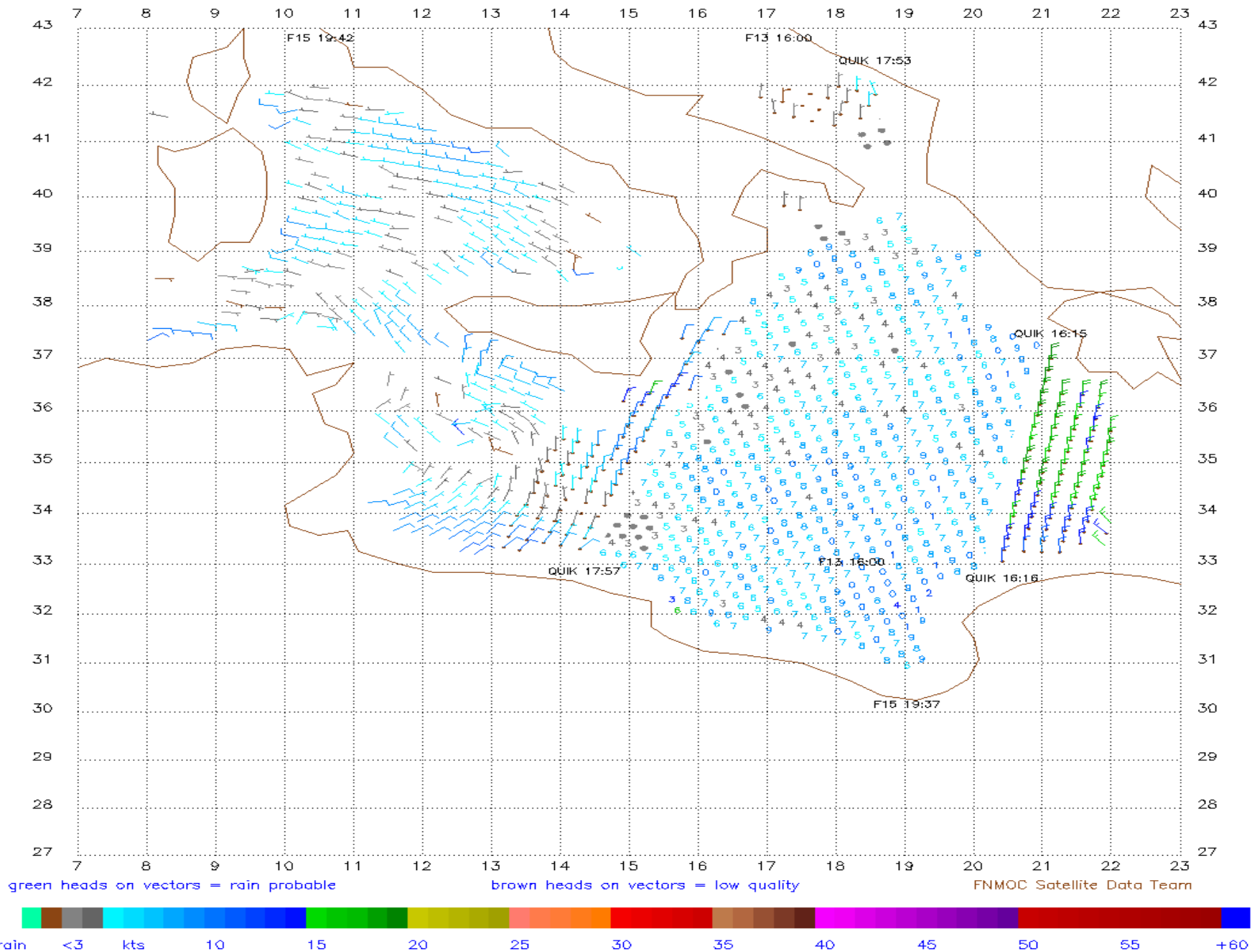


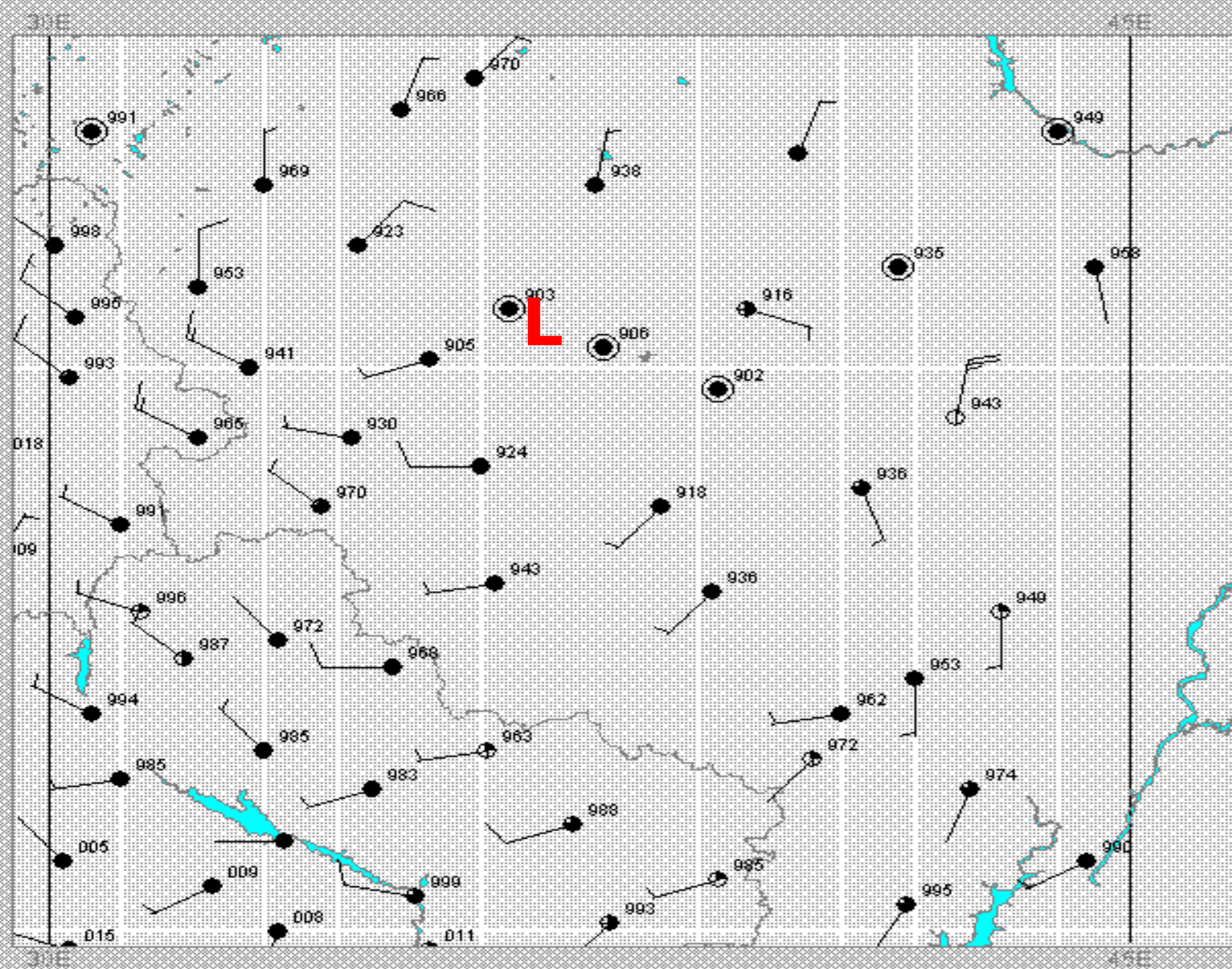




# ERS and QuikScat Scatterometer. SSM/I Wind and Rain. FNMOC Directional Ambiguity Removal.

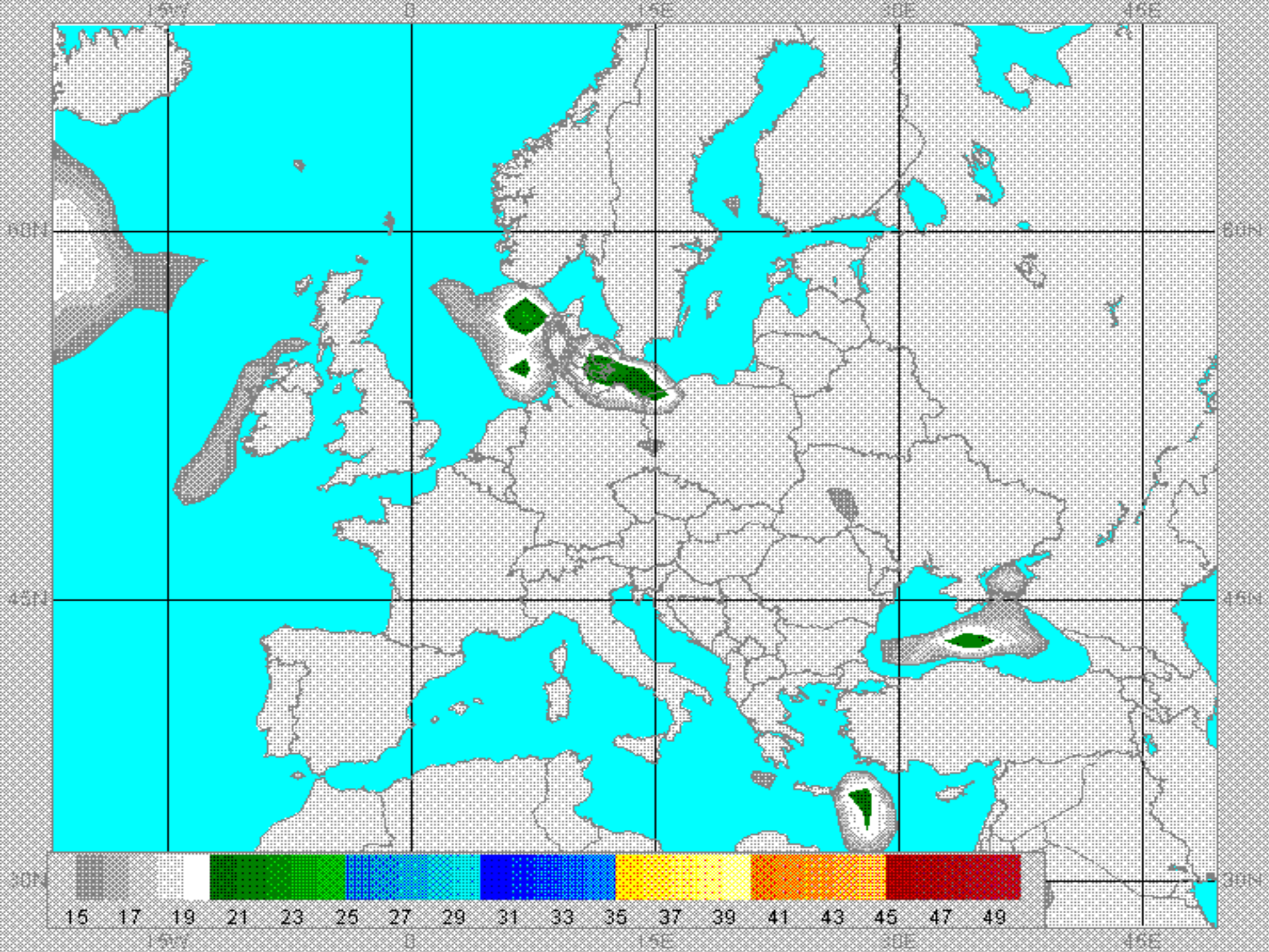
Search Window: Scatterometer: 20010529 16 to 20010530 1 Z DMSP SSM/I: 20010529 16 to 20010530 1 Z





SURFACE WIND  
COMPARISONS  
30 MAY 00Z





ERS and QuikScat Scatterometer over SSM/I Wind and Rain

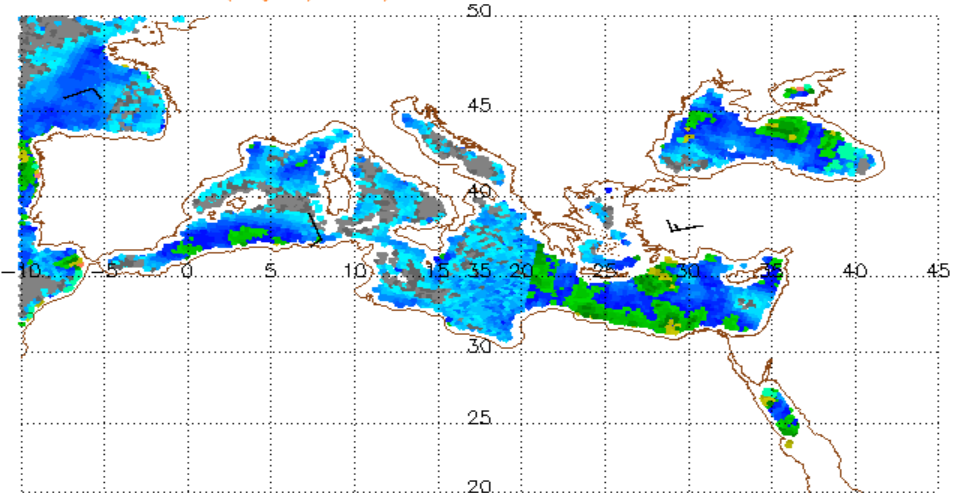
DMSP SSM/I Search Window: 20010529 16 to 20010530 1 Z

SSM/I (imaged only) found: 16:00 to 21:24 Z

FNMOCC directional ambiguity removal.

Scatterometer Search Window: 20010529 16 to 20010530 1 Z

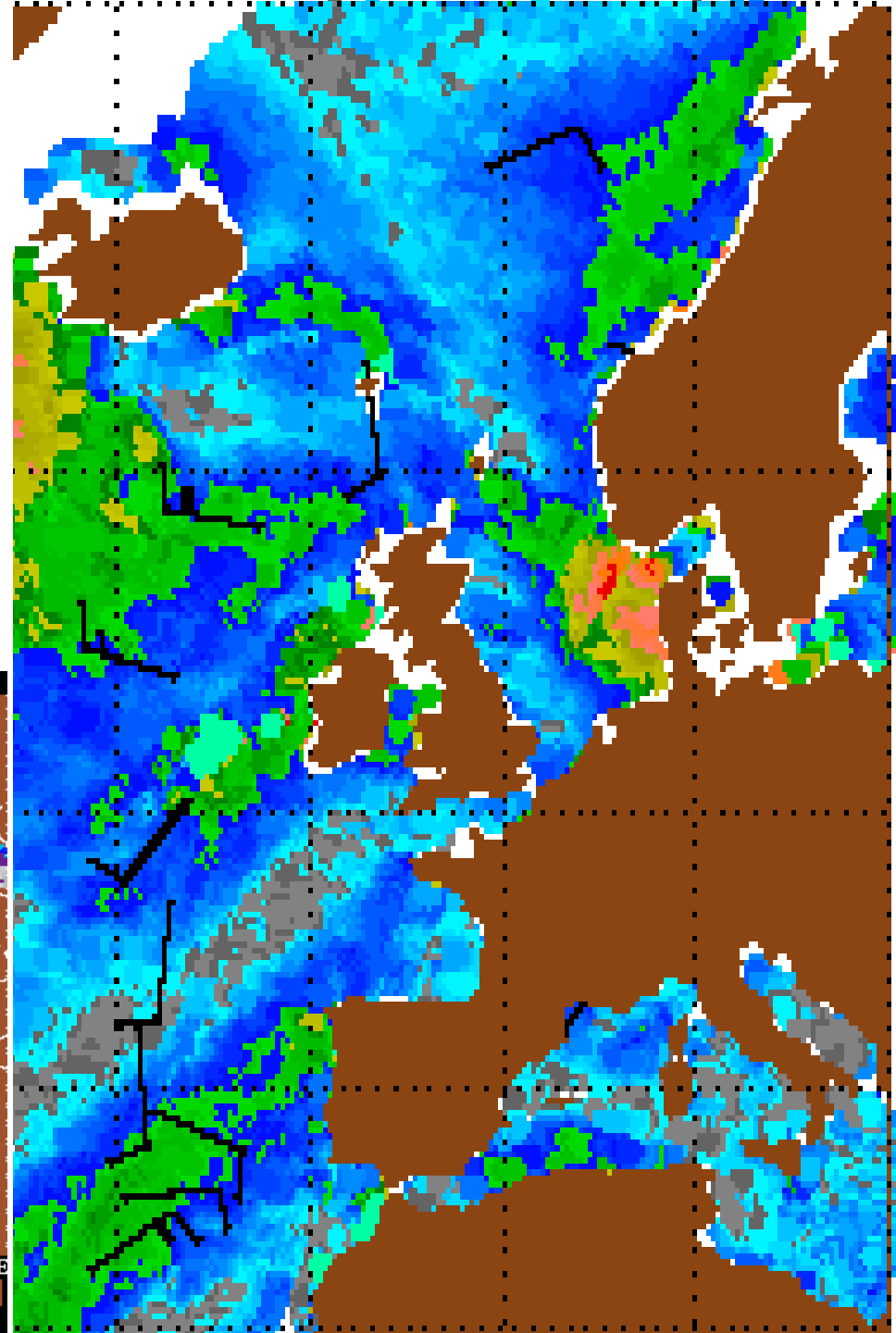
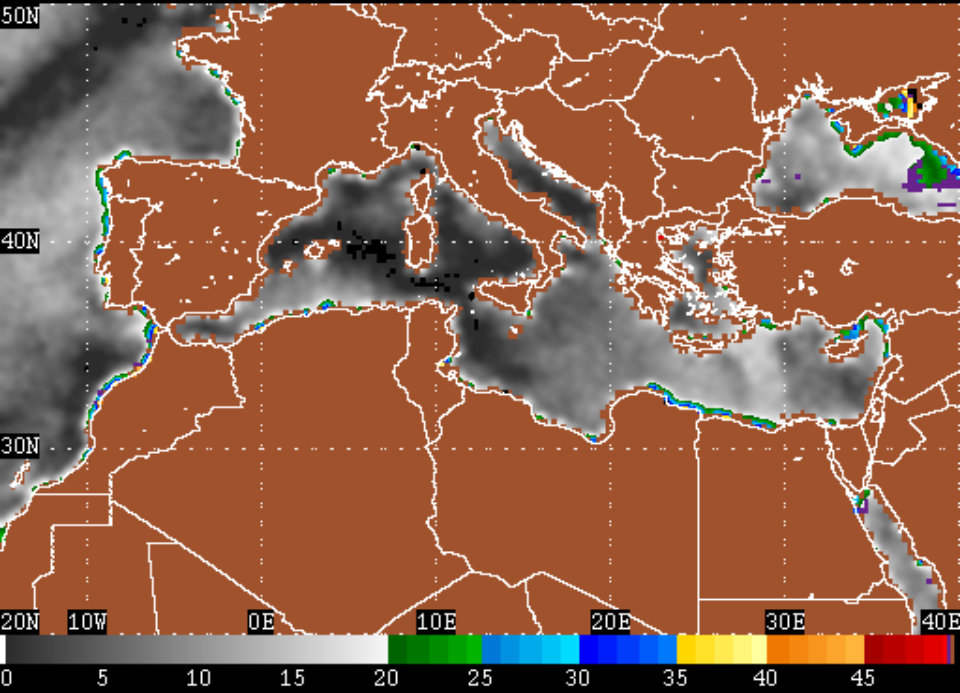
Scatterometer (imaged w/ vectors) found: 16:12 to 19:37 Z



FNMOCC Satellite Data Team

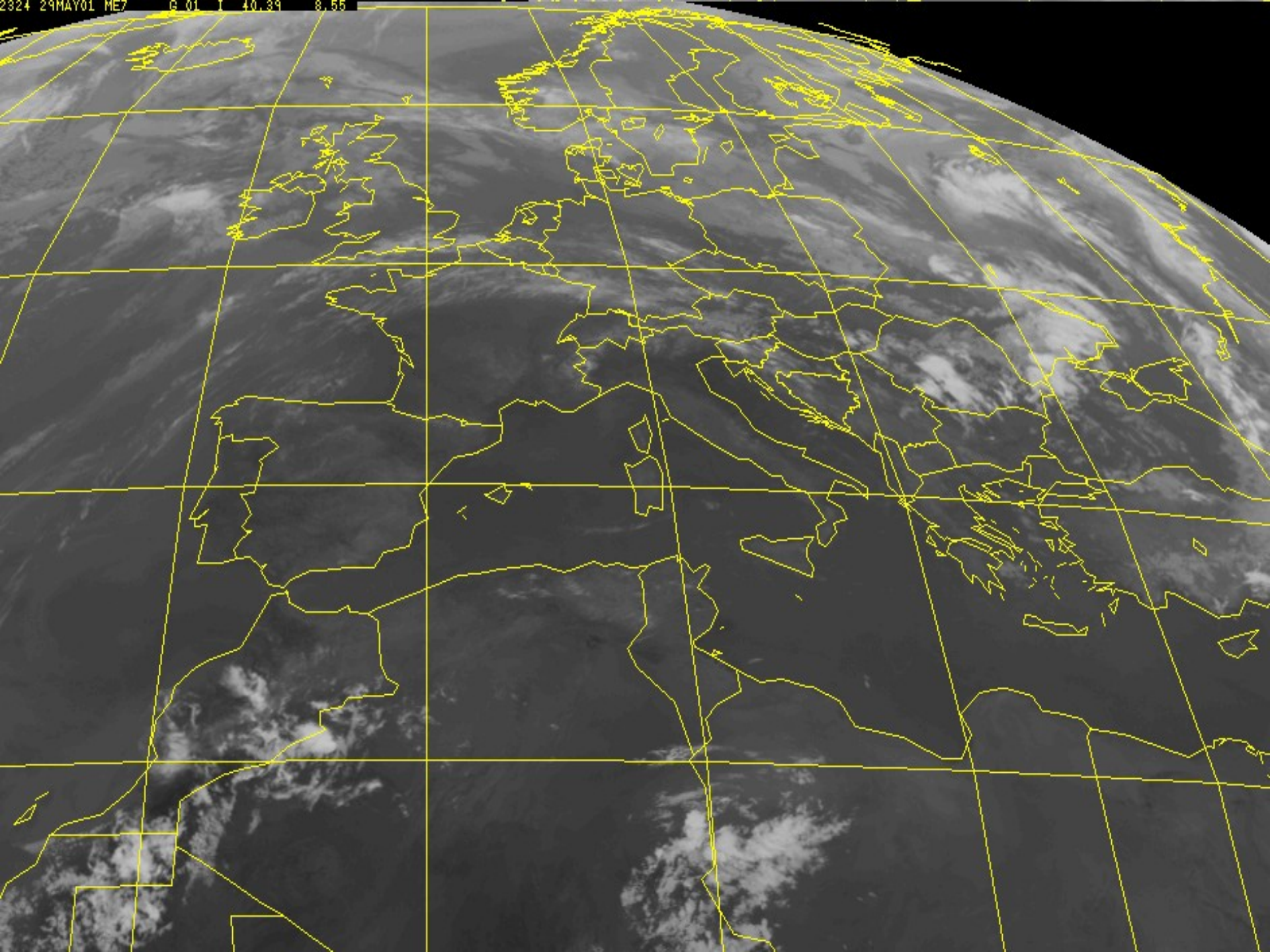
rain <3 kts 10 15 20 25 30 35 40 45 50 55 +60

Med Sea SSM/I 9.6km Winds (kts) 1745Z 29MAY-2125Z 29MAY

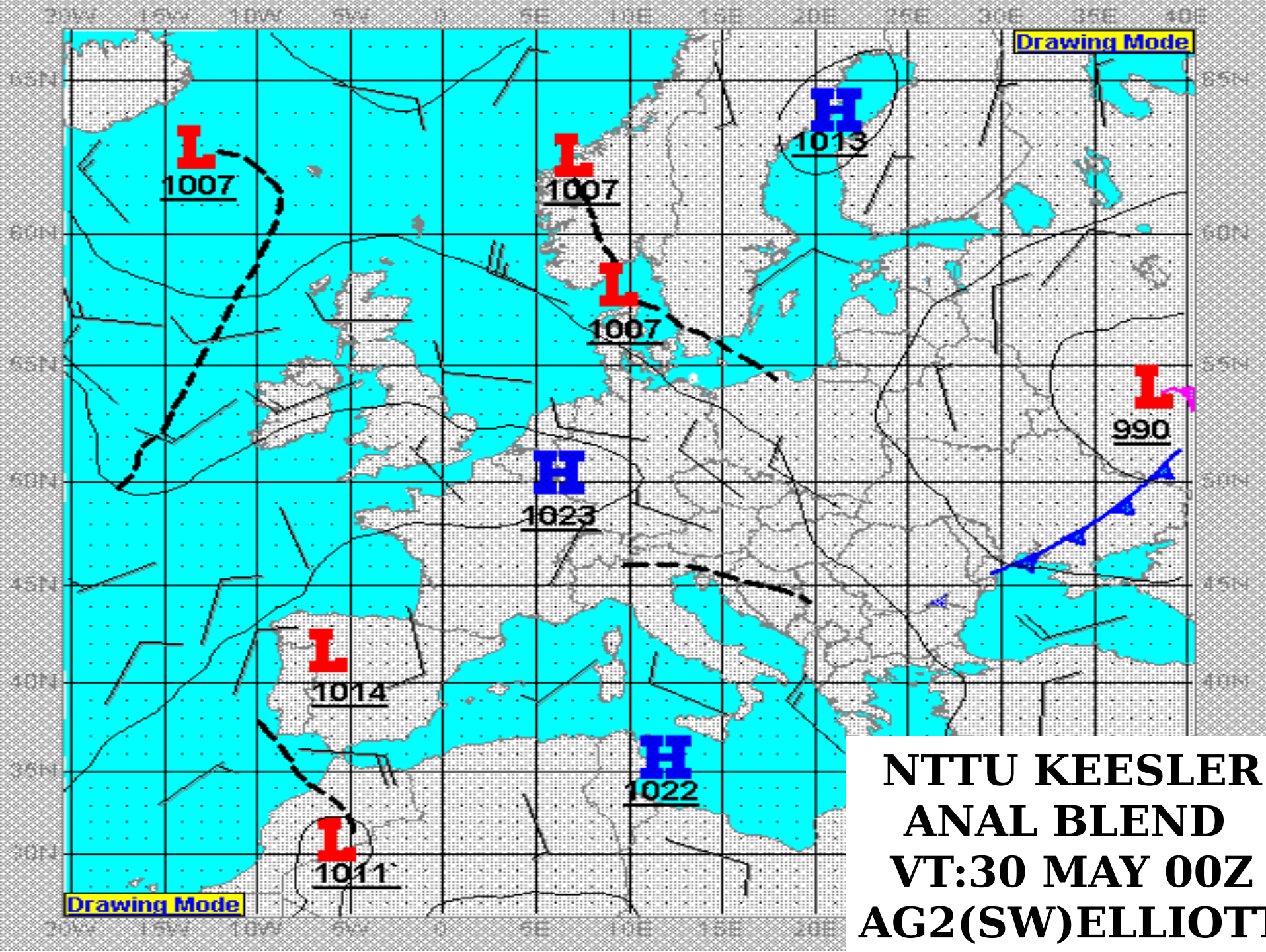










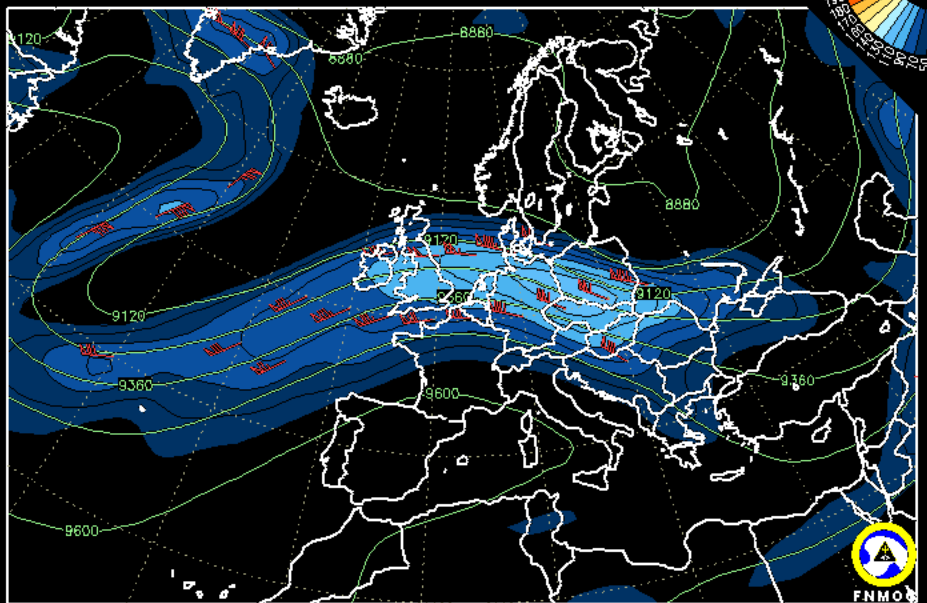


HINDCAST



300MB MODEL  
ANALYSIS/FORECASTS  
COMPARISONS  
30 MAY 00Z

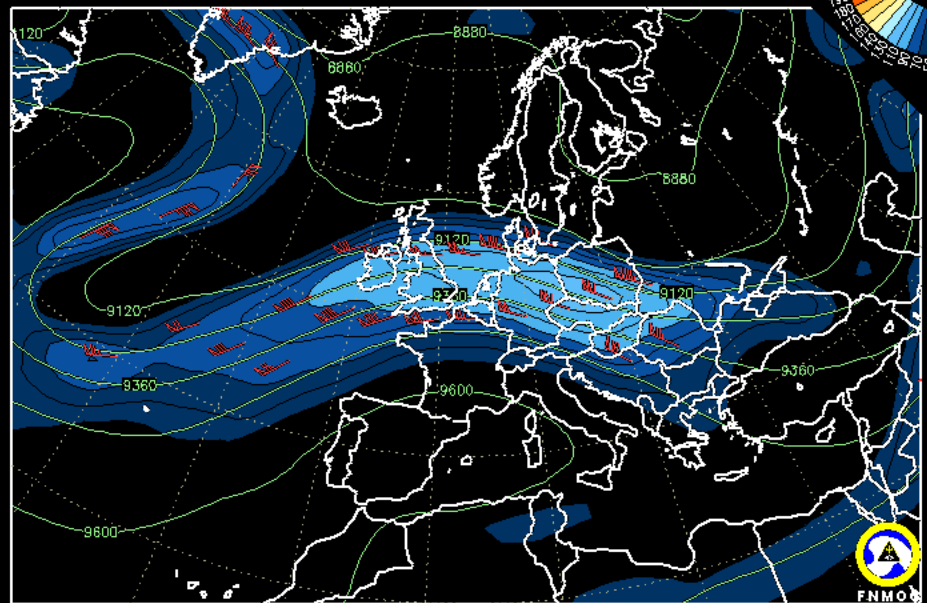
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

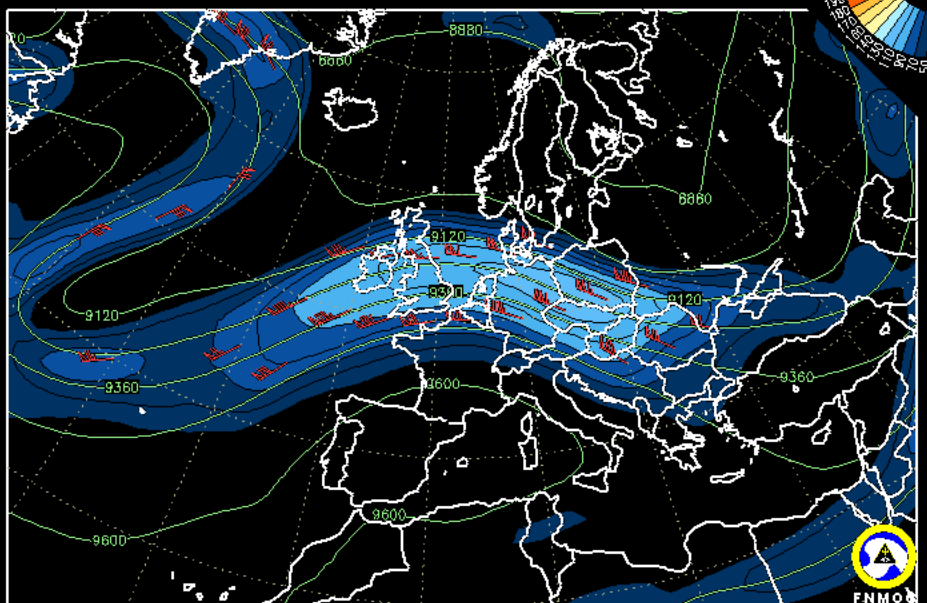
FNMOG NOGAPS 2001052912 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

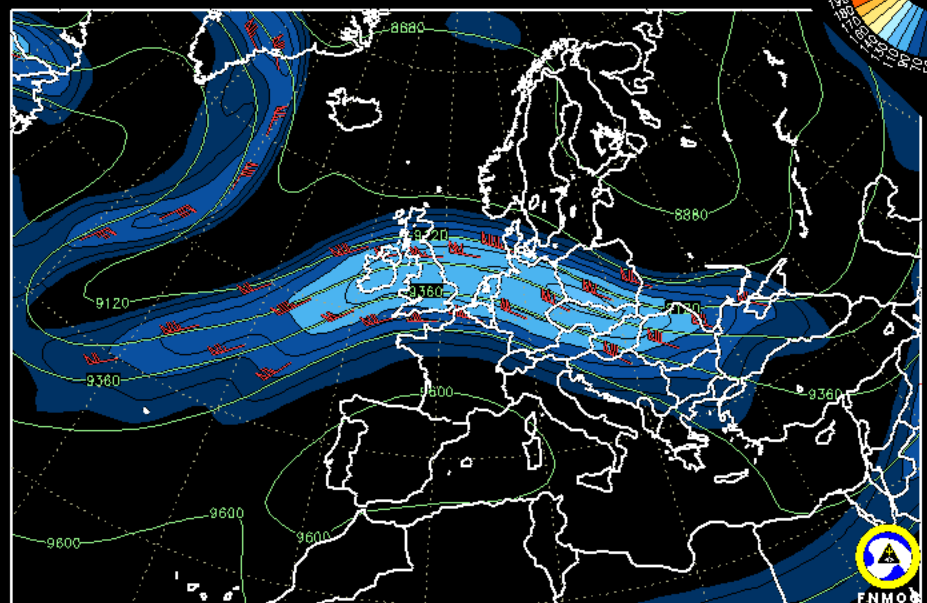
FNMOG NOGAPS 2001052900 run 1.0° Fields  $\tau = 24$  h



Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

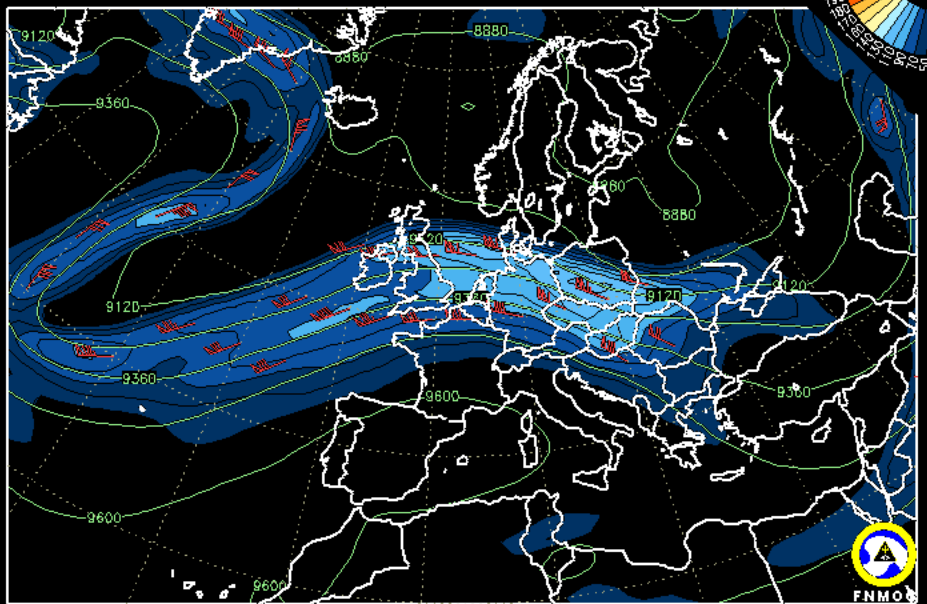
FNMOG NOGAPS 2001052800 run 1.0° Fields  $\tau = 48$  h



Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

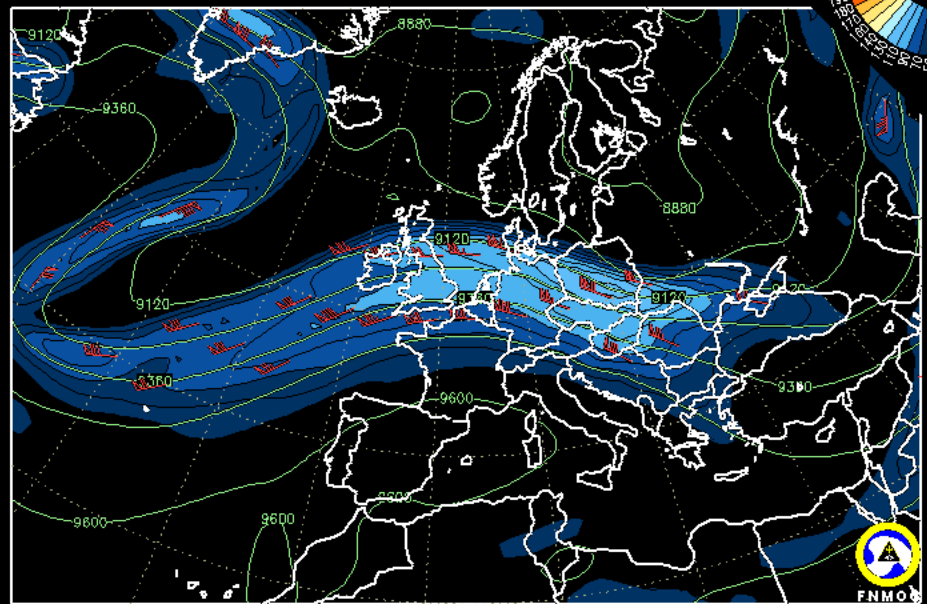
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)

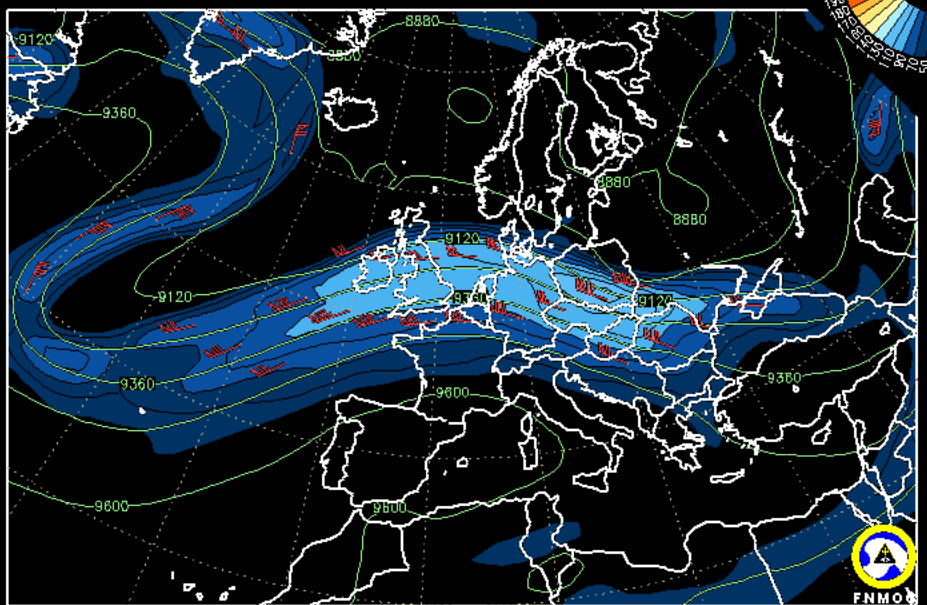
NCEP AVN 2001052912 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)

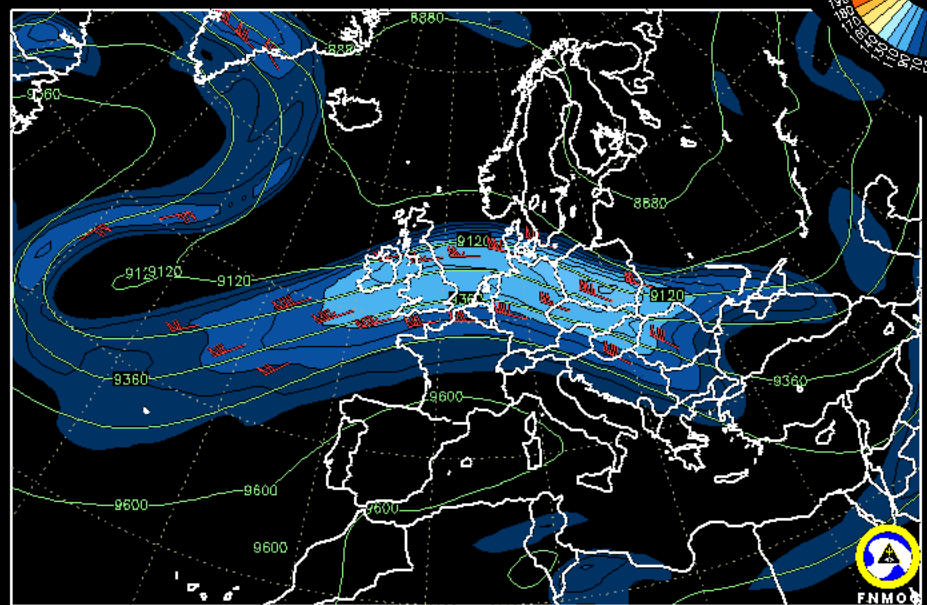
NCEP AVN 2001052900 run 1.0° Fields  $\tau = 24$  h



Verify: Wed 00Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)

NCEP AVN 2001052800 run 1.0° Fields  $\tau = 48$  h



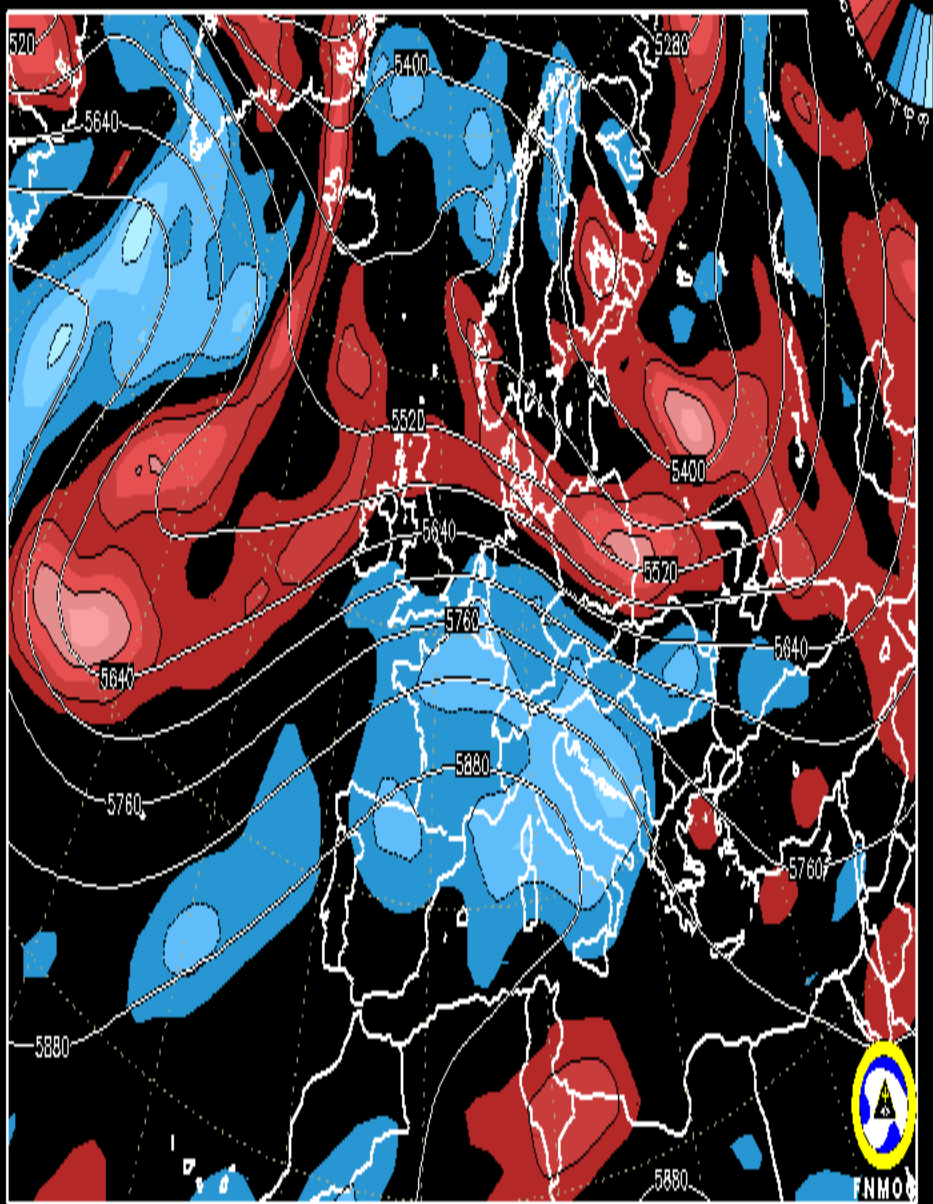
Verify: Wed 00Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)



500MB MODEL  
ANALYSIS/FORECASTS  
COMPARISONS  
30 MAY 00Z

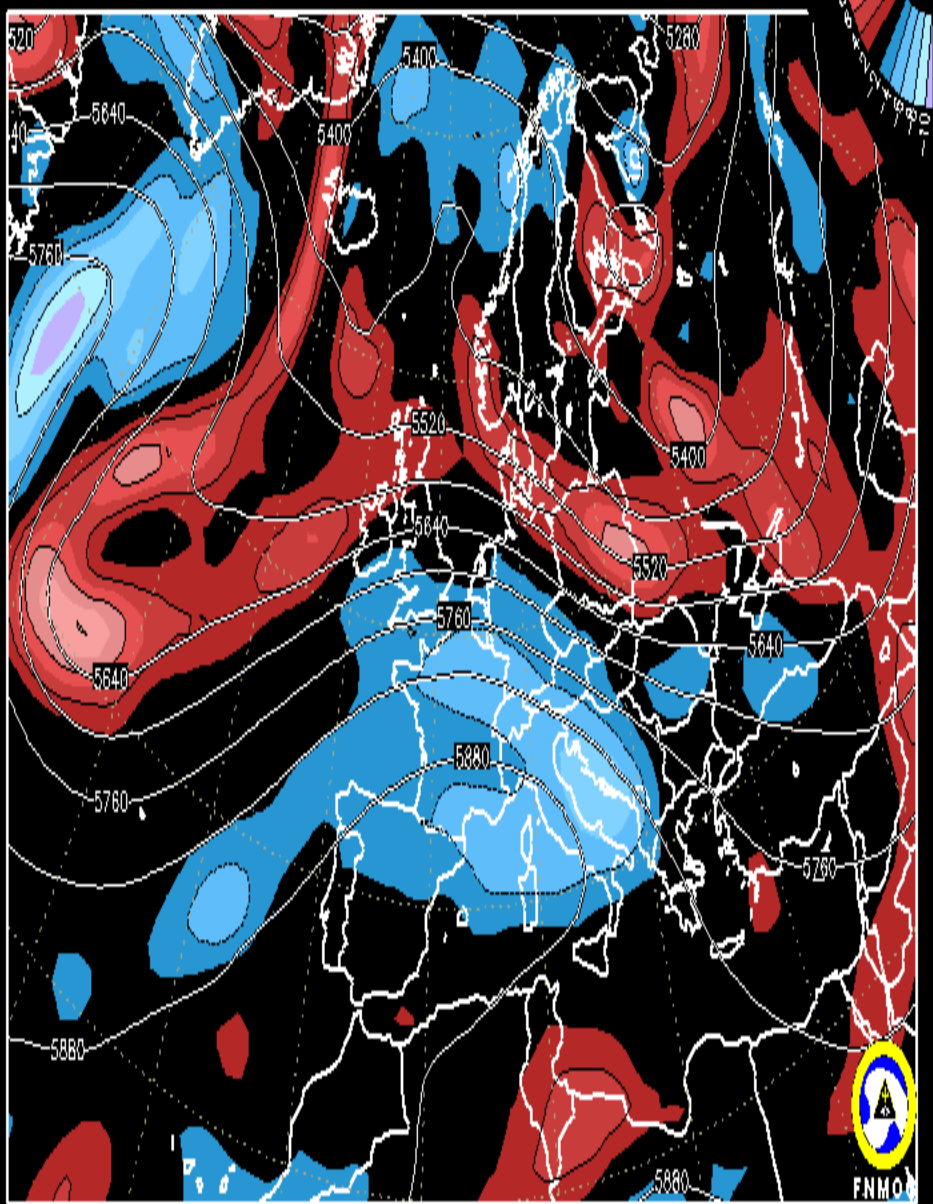
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

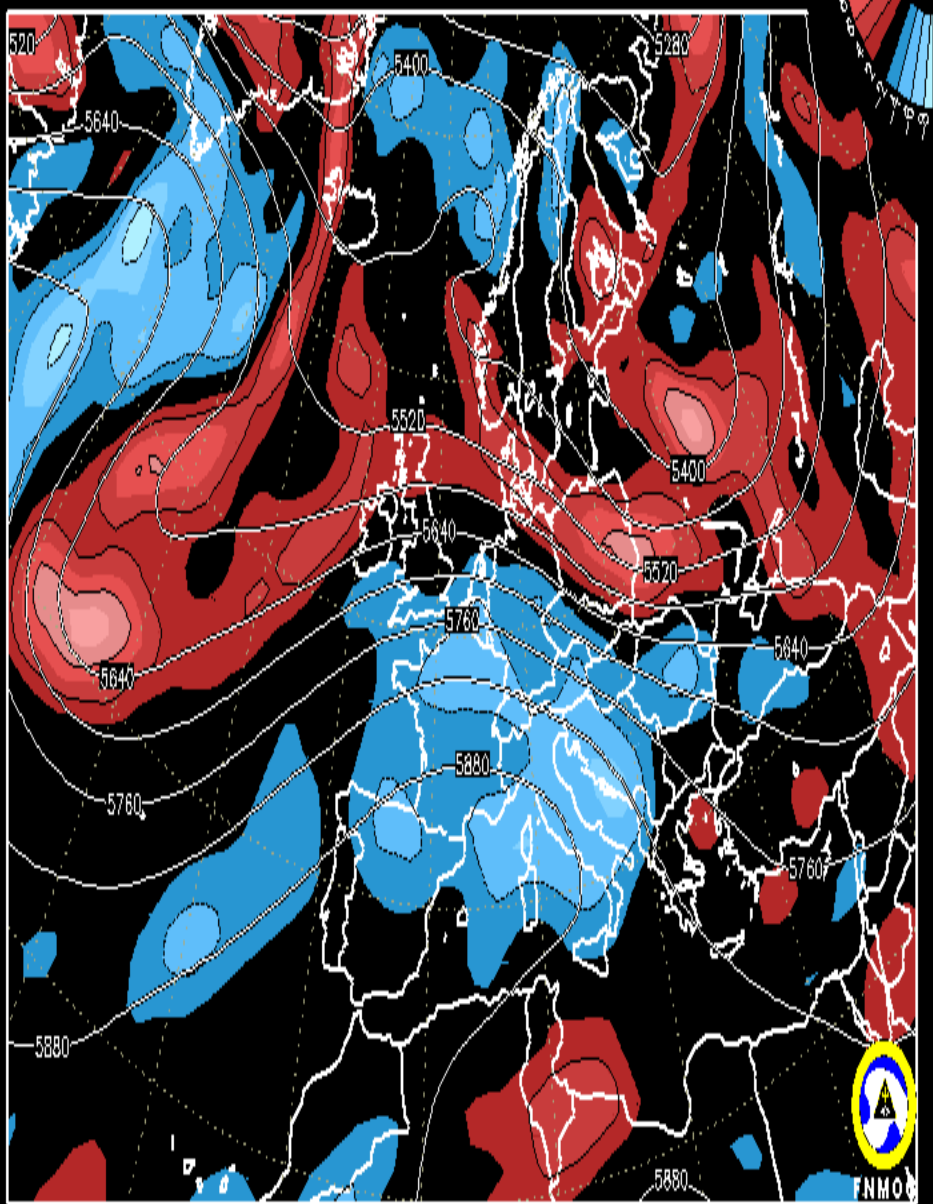
FNMOG NOGAPS 2001052912 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

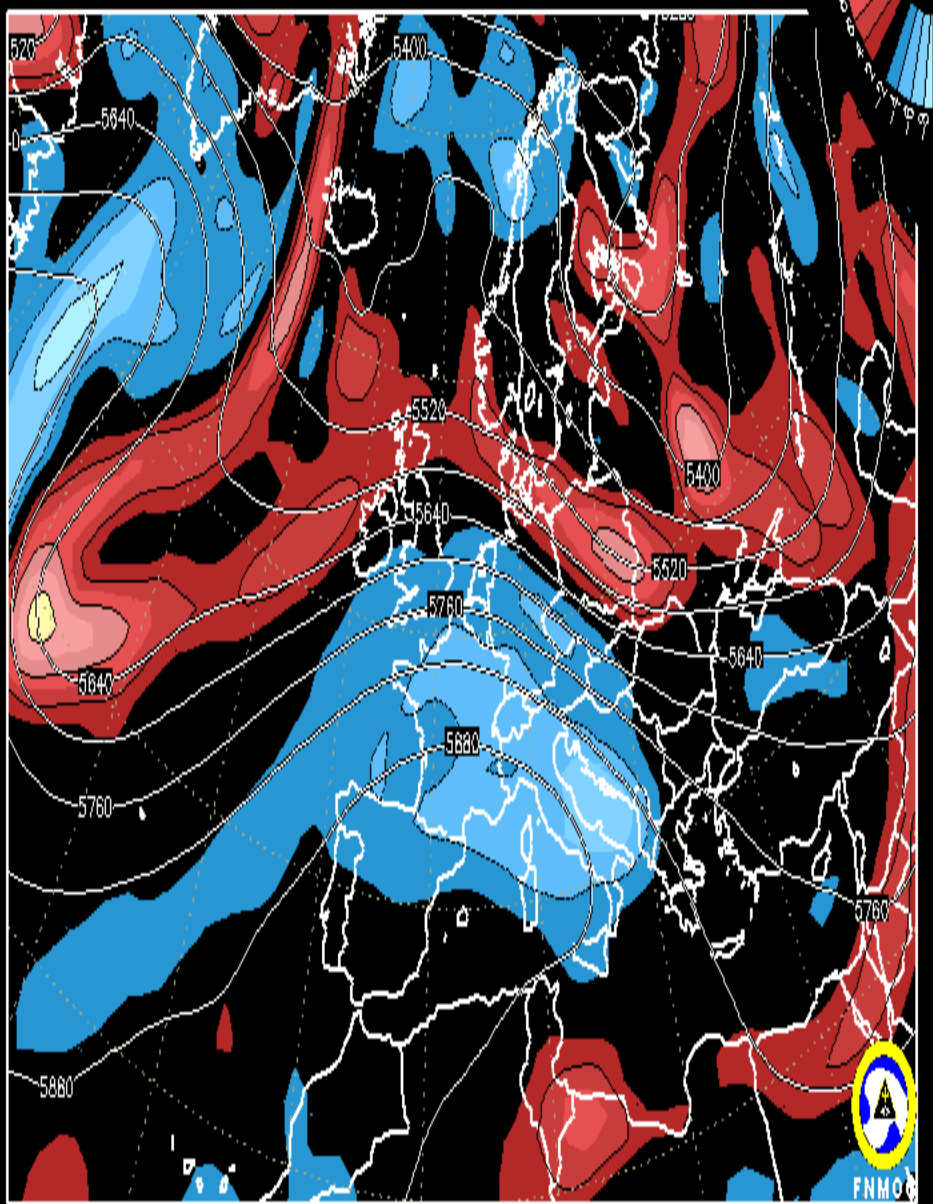
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

FNMOG NOGAPS 2001052900 run 1.0° Fields  $\tau = 24$  h

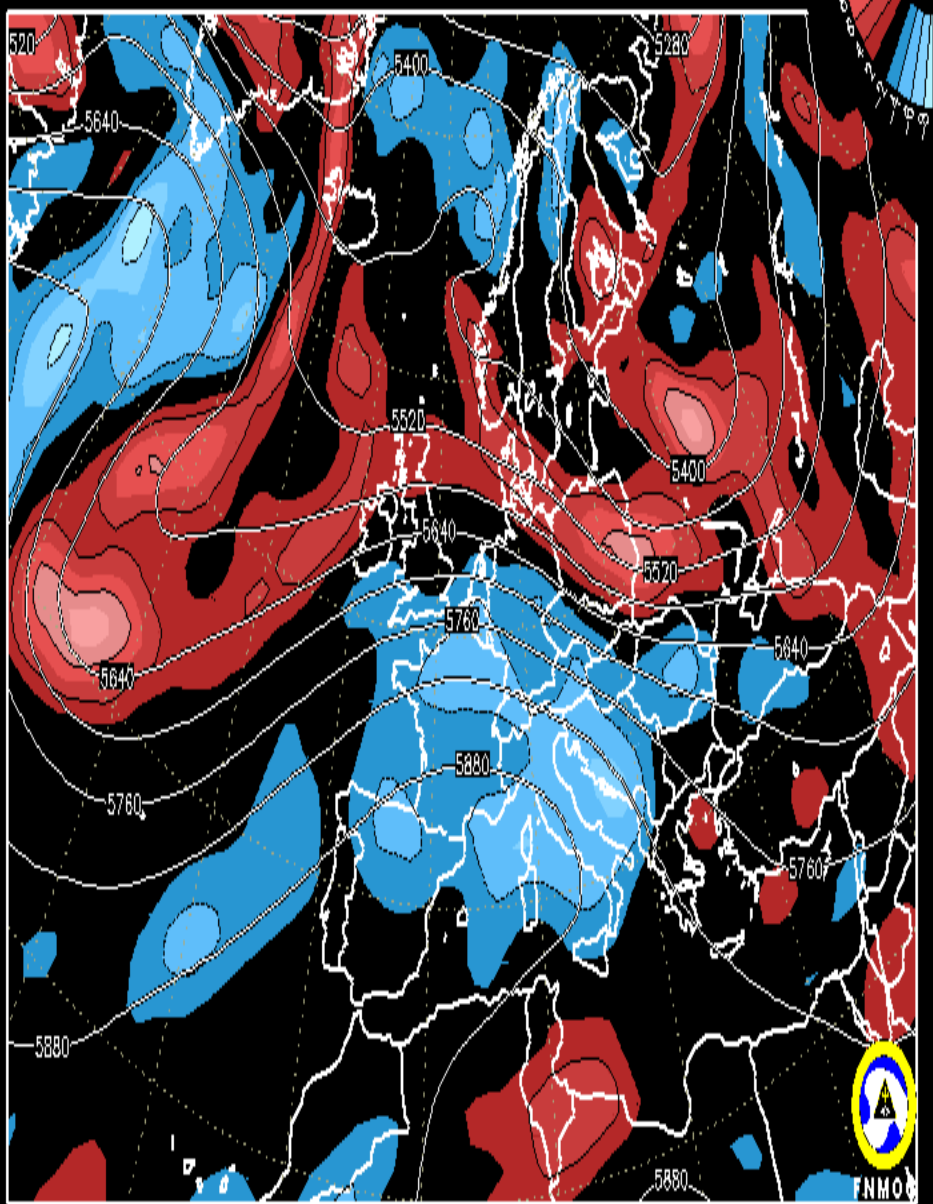


Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort



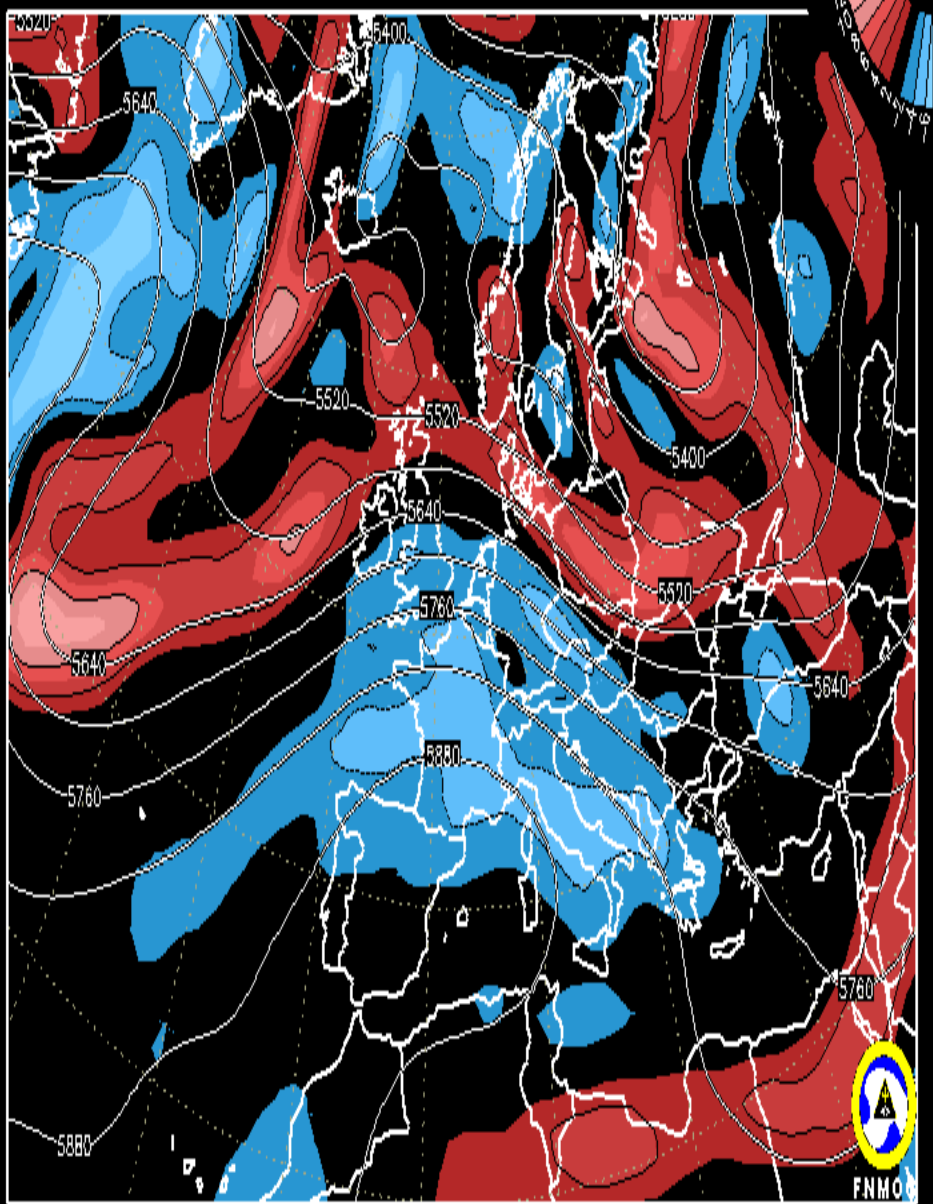
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

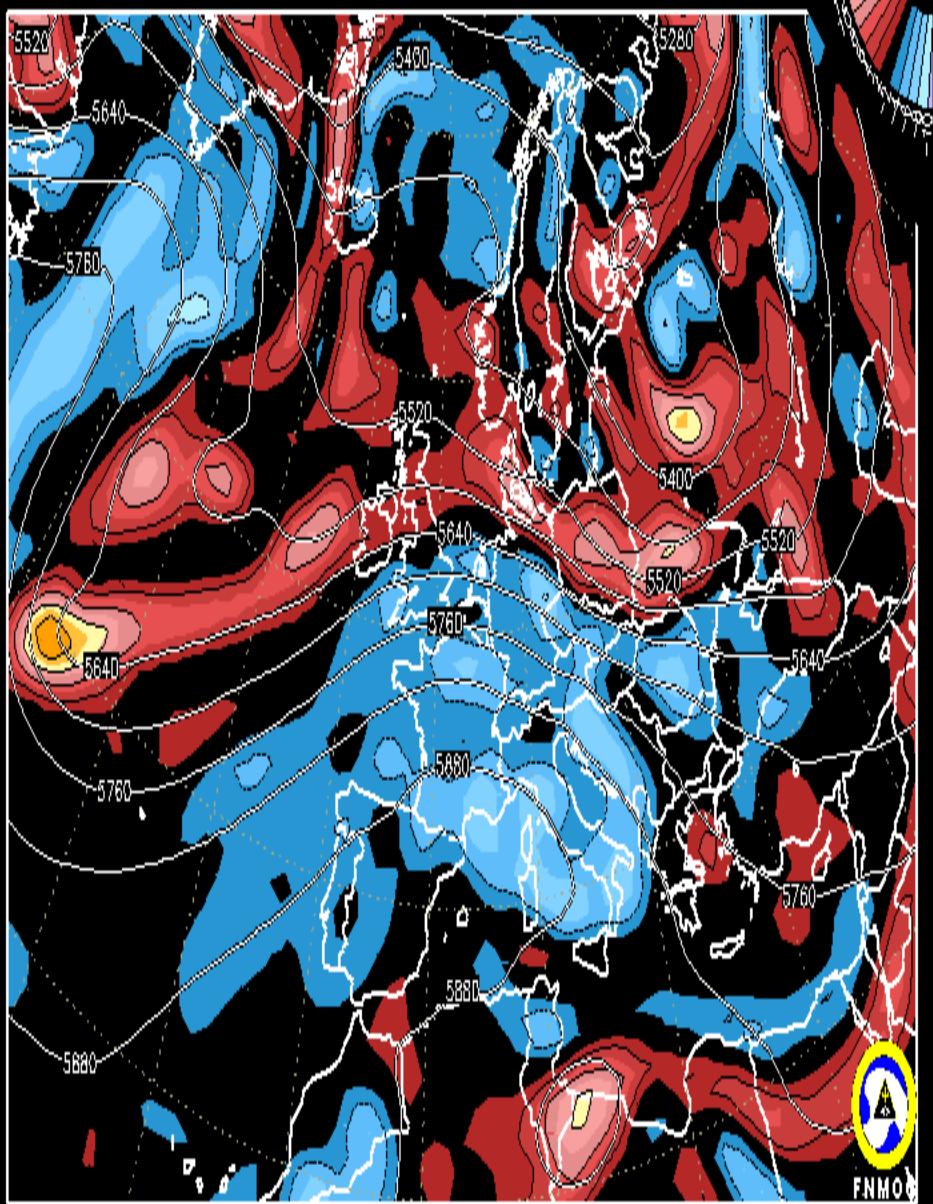
FNMOG NOGAPS 2001052800 run 1.0° Fields  $\tau = 48$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

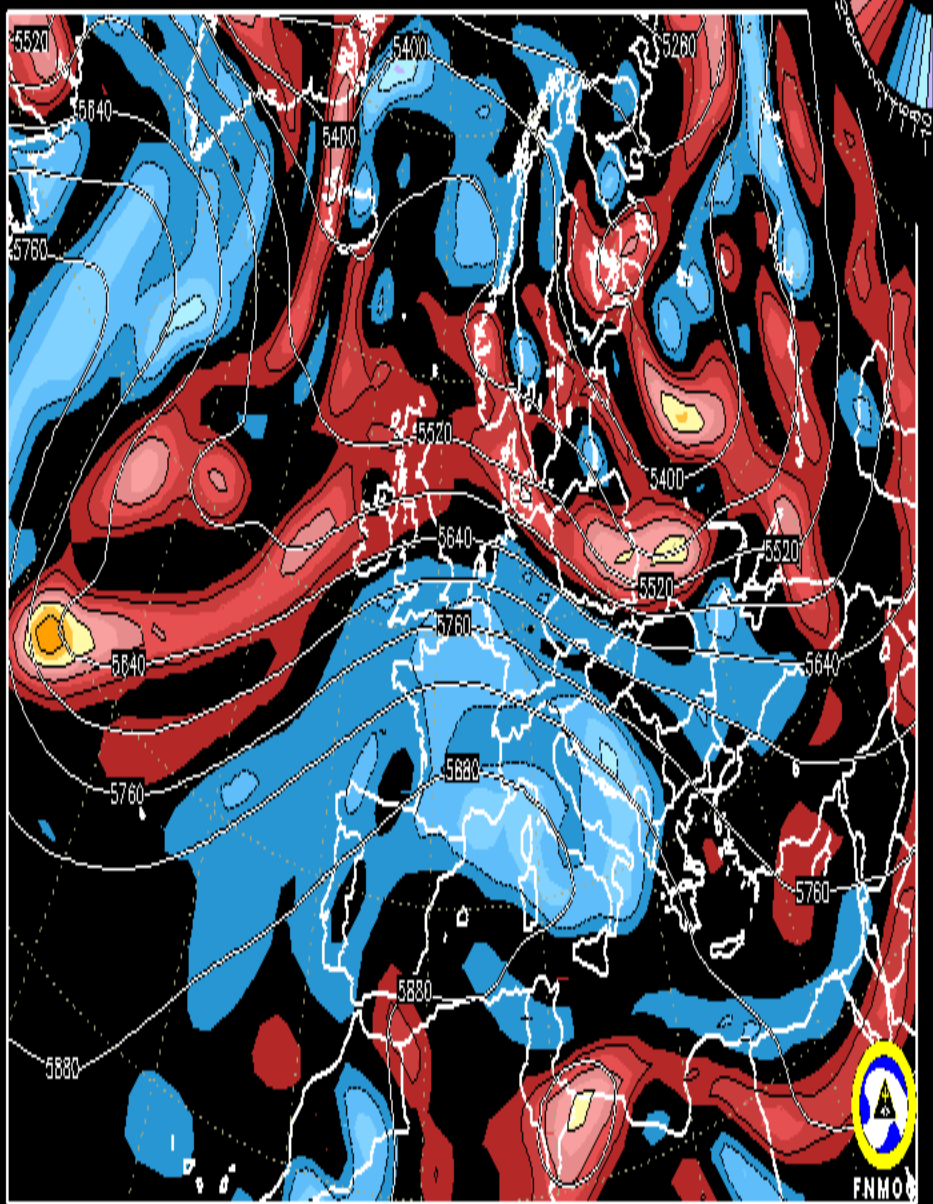
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

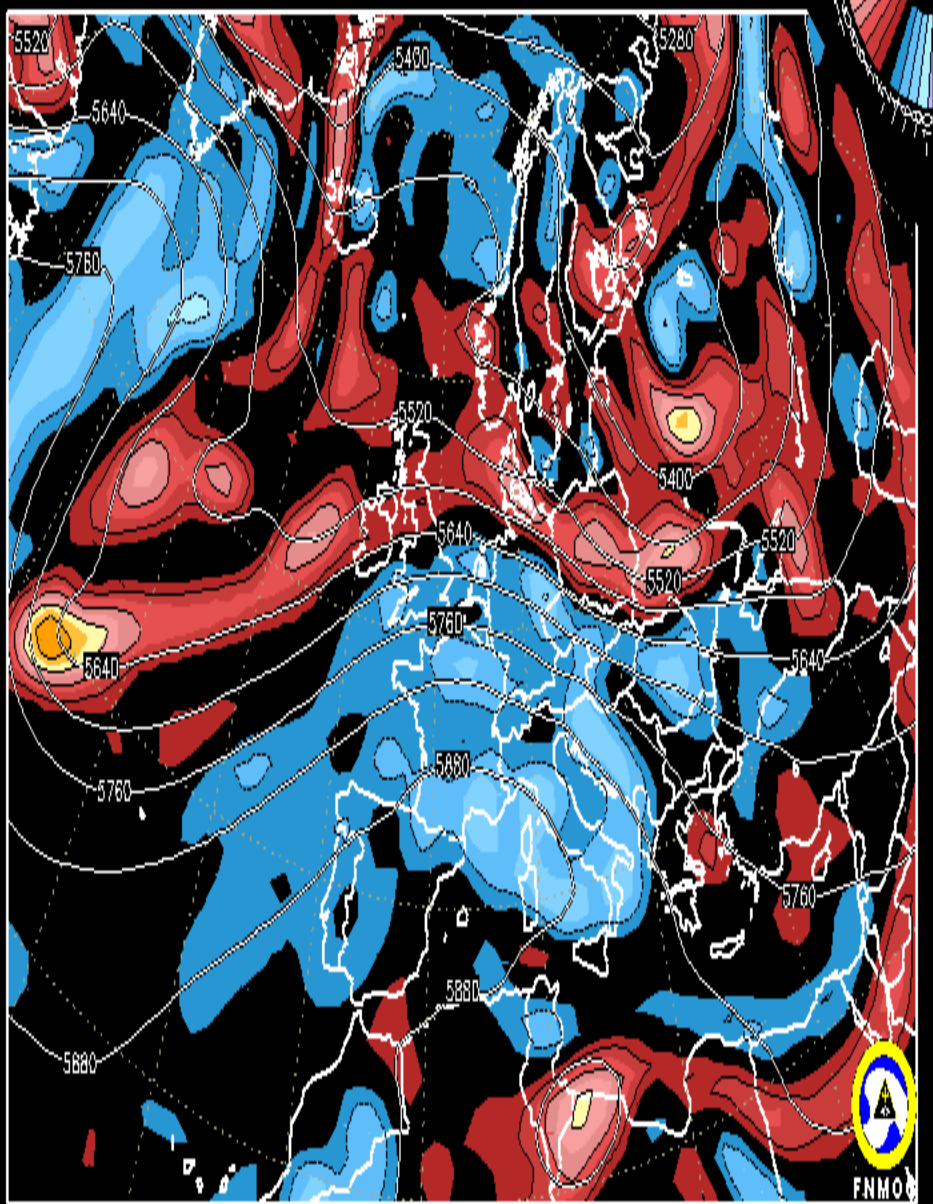
NCEP AVN 2001052912 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

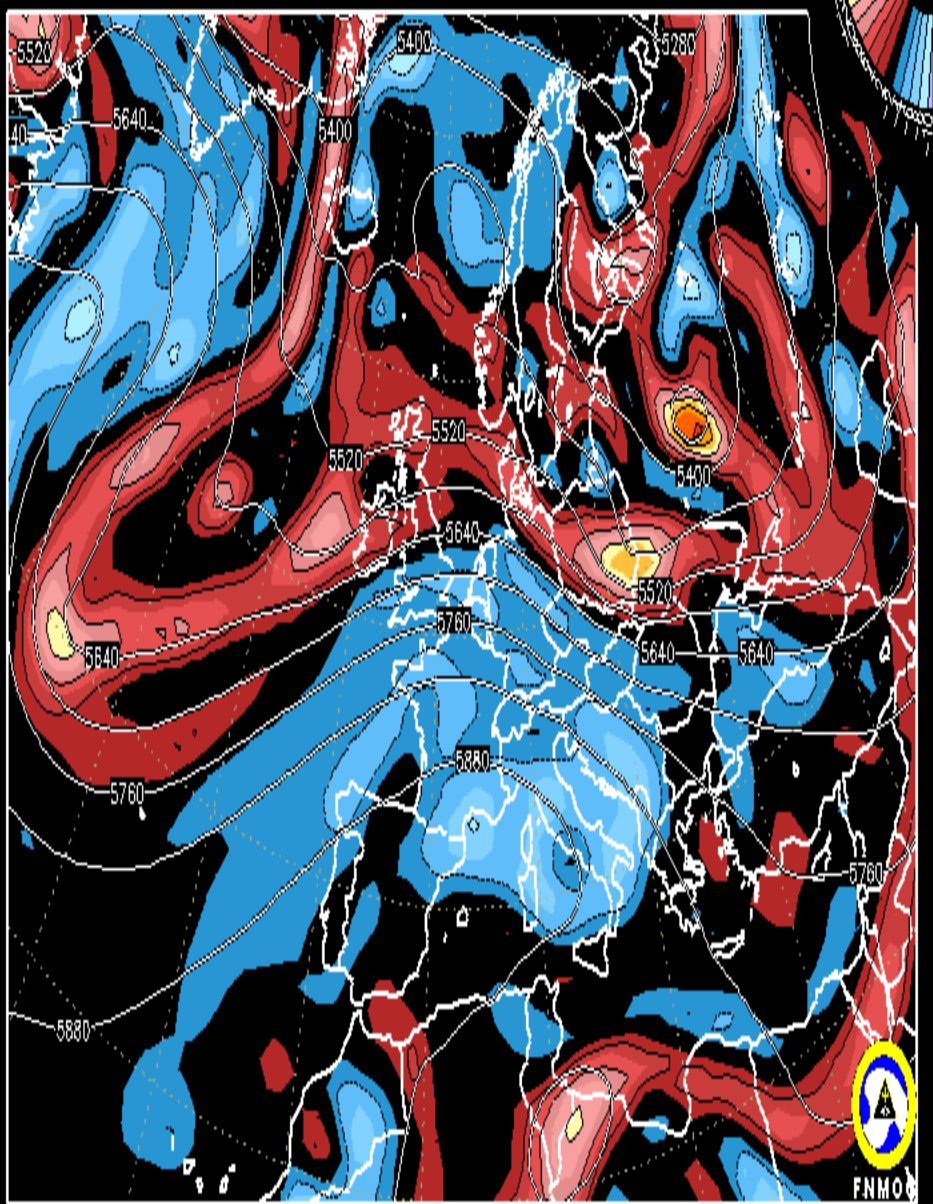
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

NCEP AVN 2001052900 run 1.0° Fields  $\tau = 24$  h

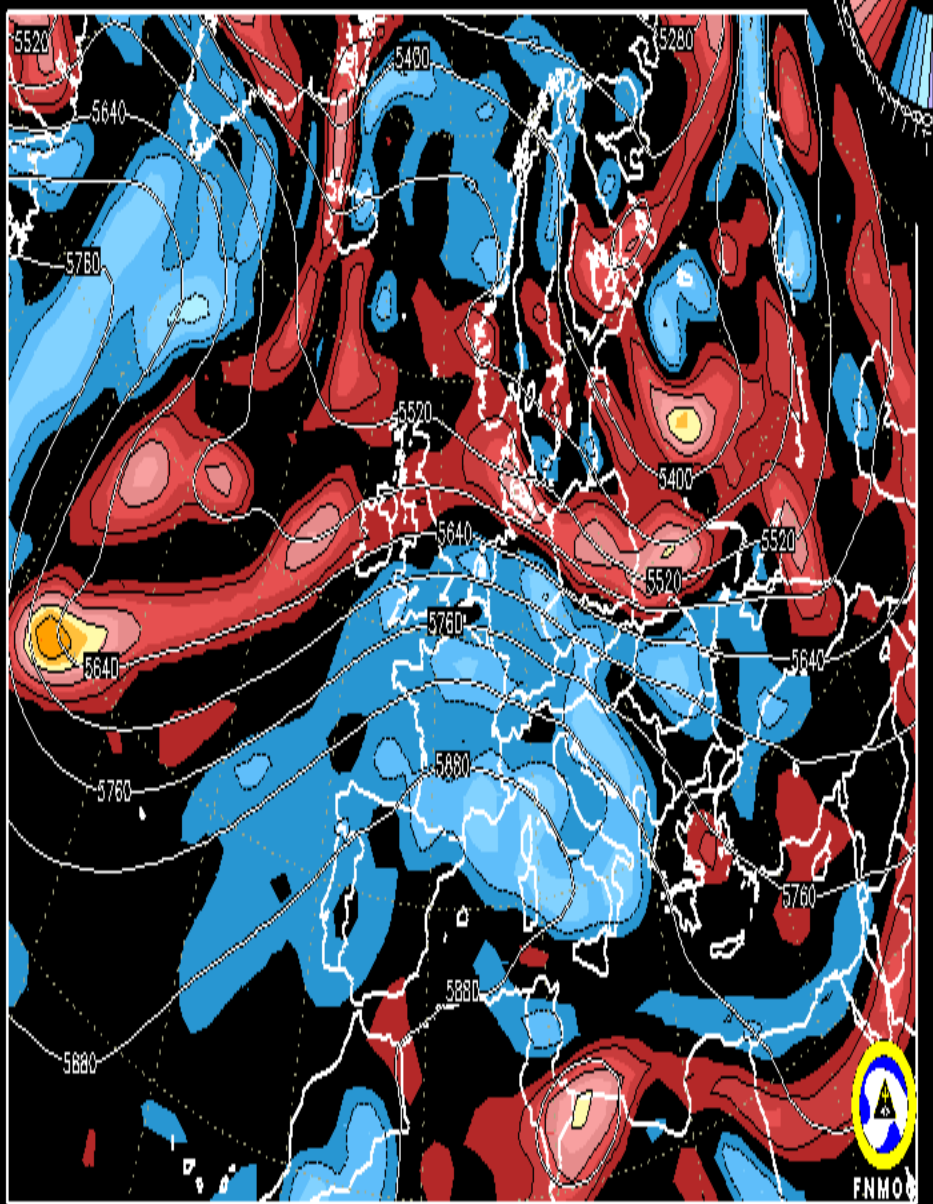


Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort



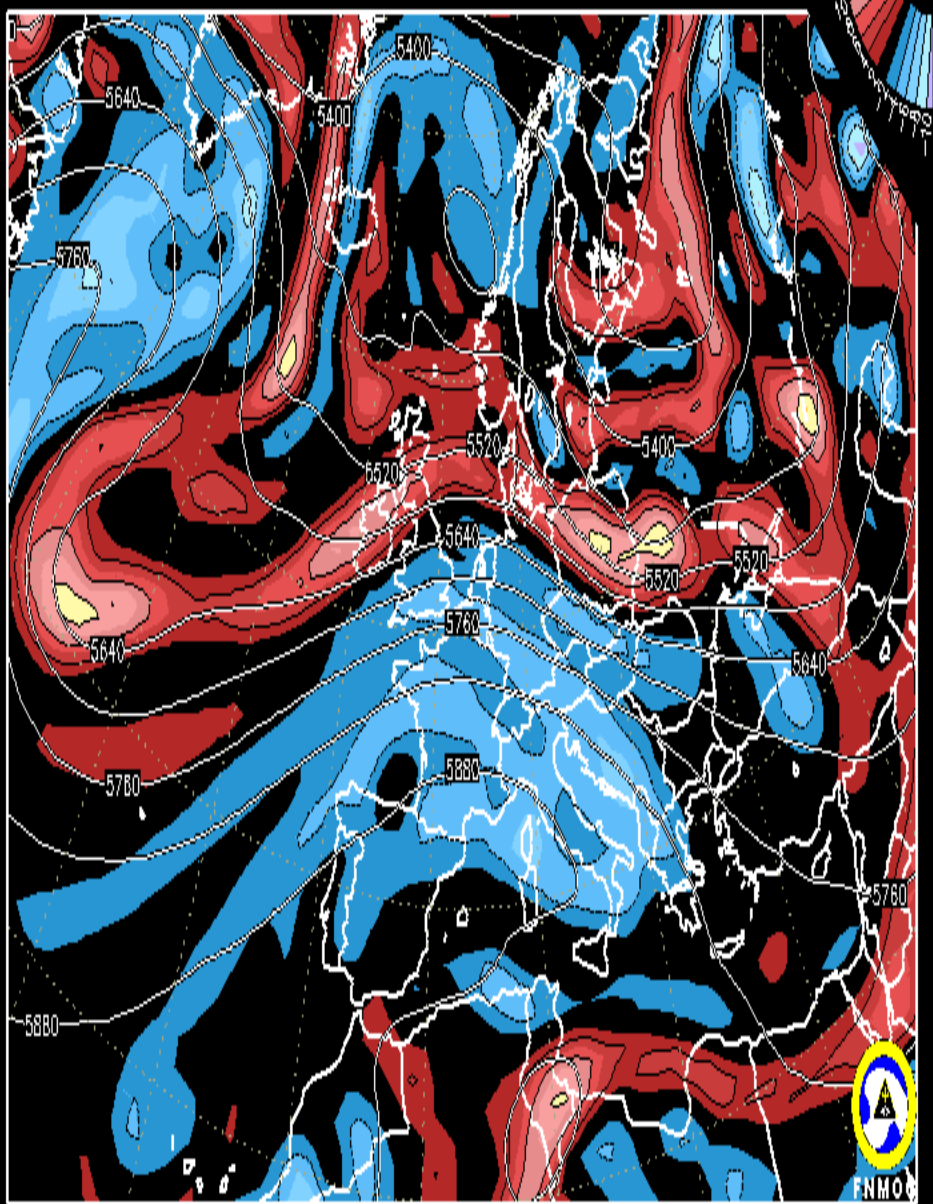
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

NCEP AVN 2001052800 run 1.0° Fields  $\tau = 48$  h

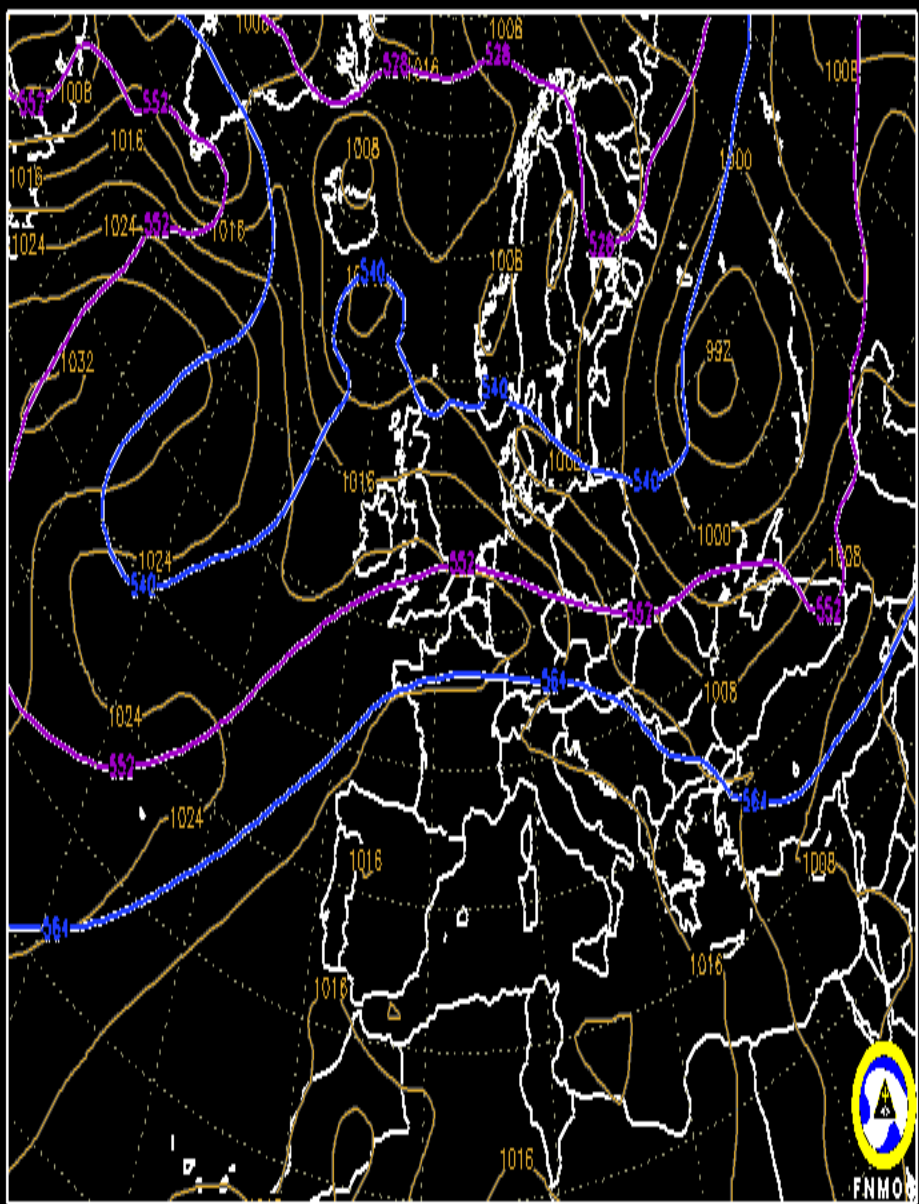


Verify: Wed 00Z 30 MAY

500mb Heights / Rel Vort

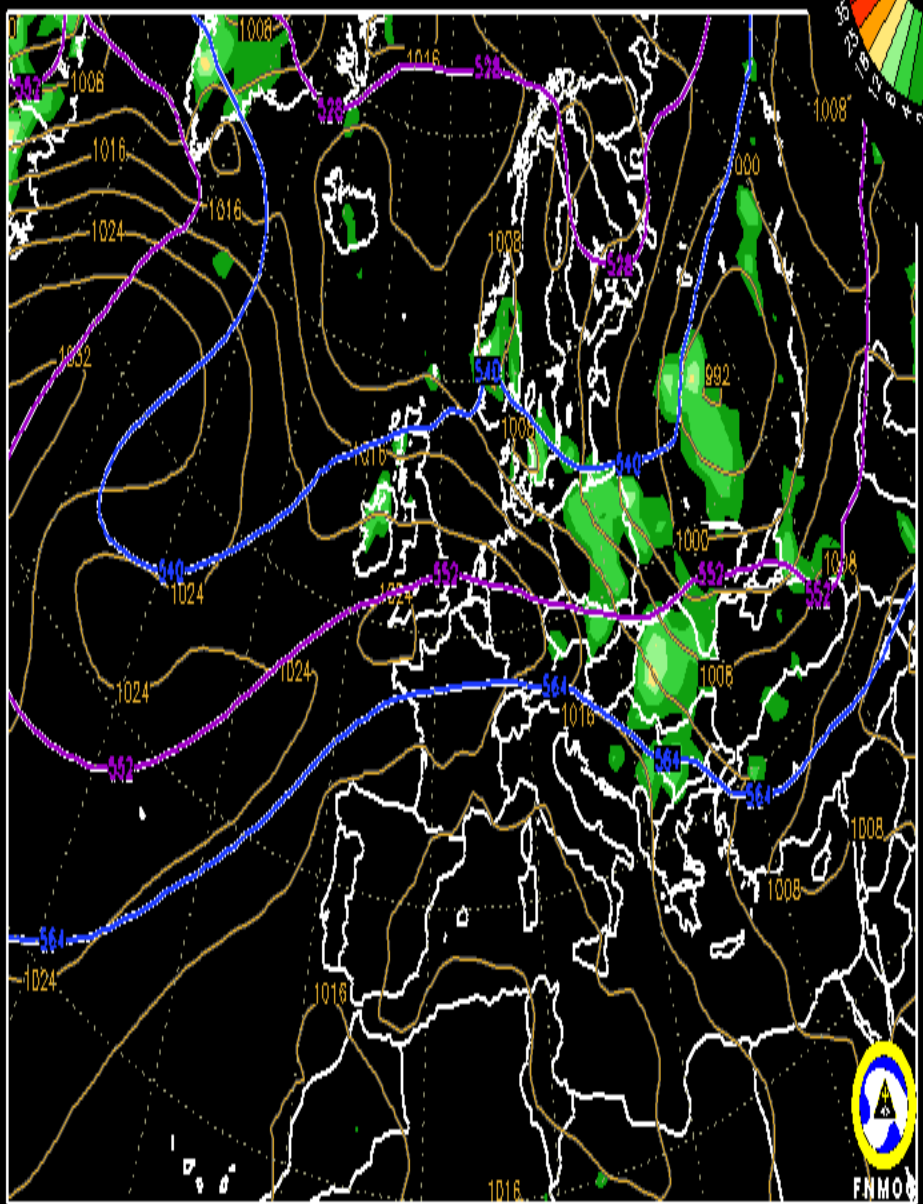
SURFACE MODEL  
ANALYSIS/FORECASTS  
COMPARISONS  
30 MAY 00Z

FNMOG NOGAPS 2001053000 run t.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

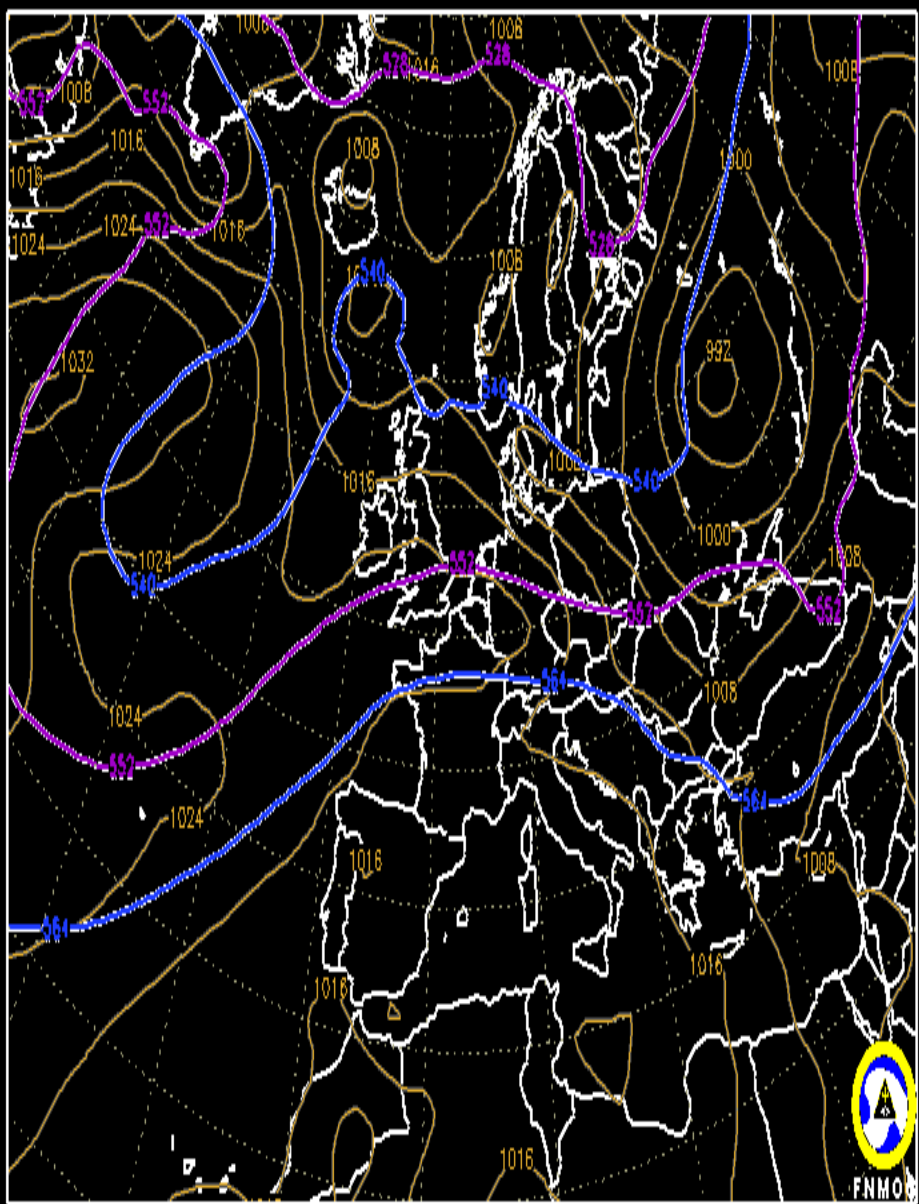
FNMOG NOGAPS 2001052912 run t.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

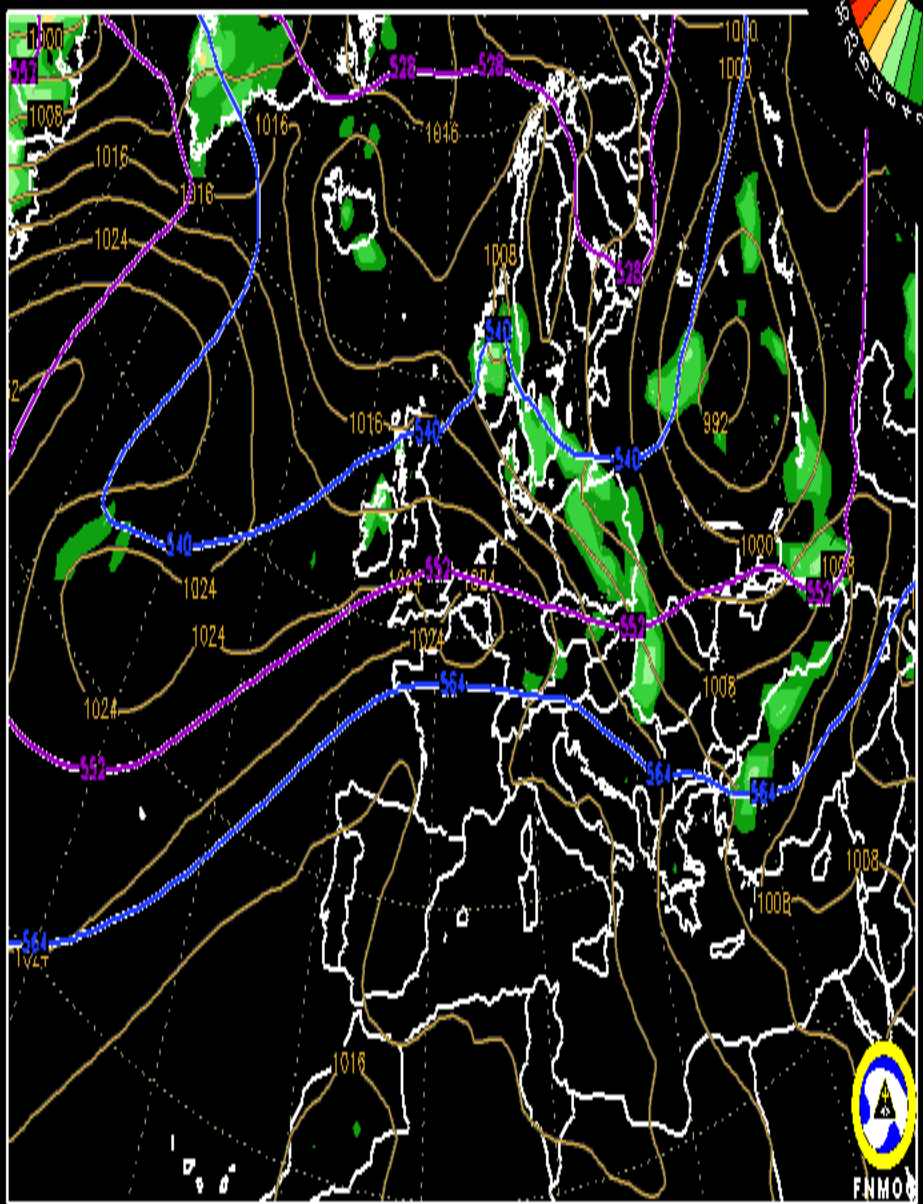


FNMOG NOGAPS 2001053000 run t.0° Fields  $\tau = 0$  h



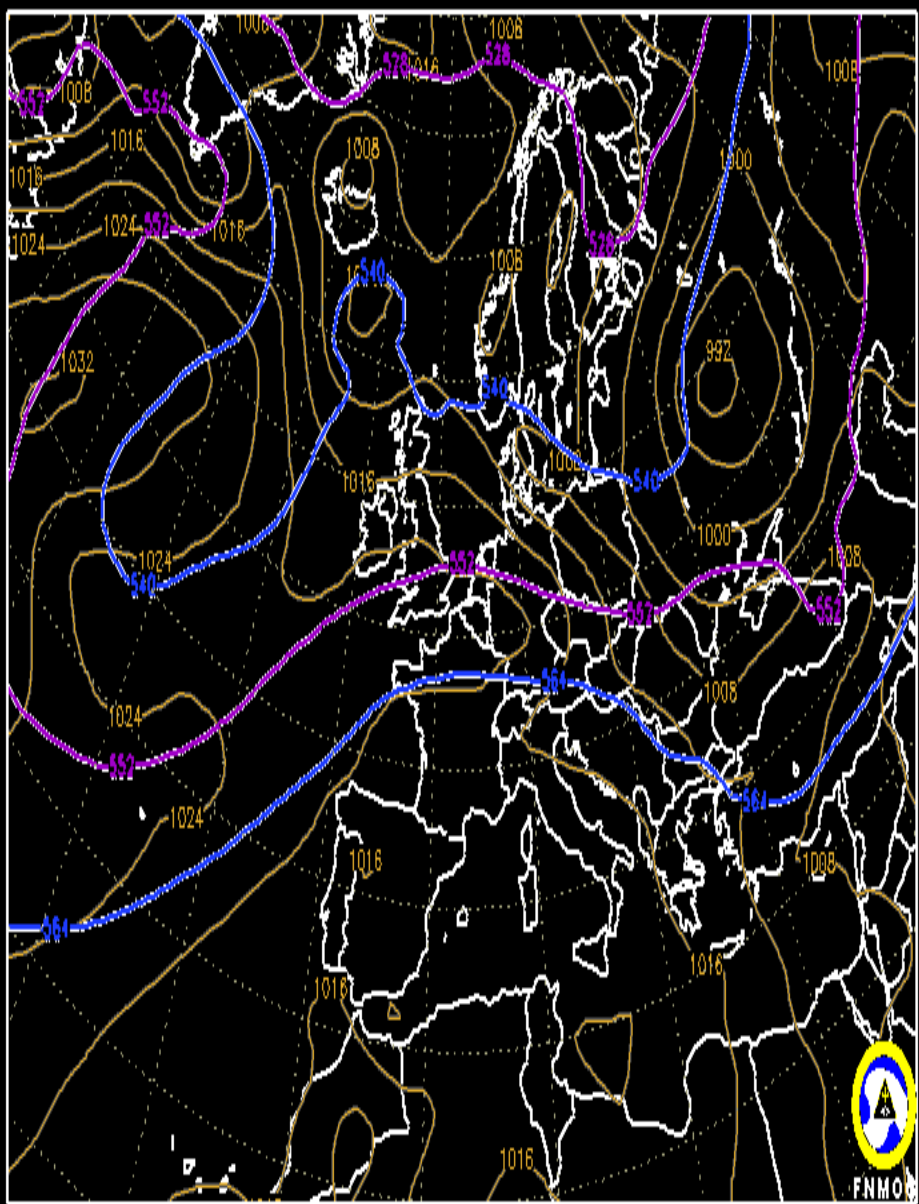
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

FNMOG NOGAPS 2001052900 run t.0° Fields  $\tau = 24$  h



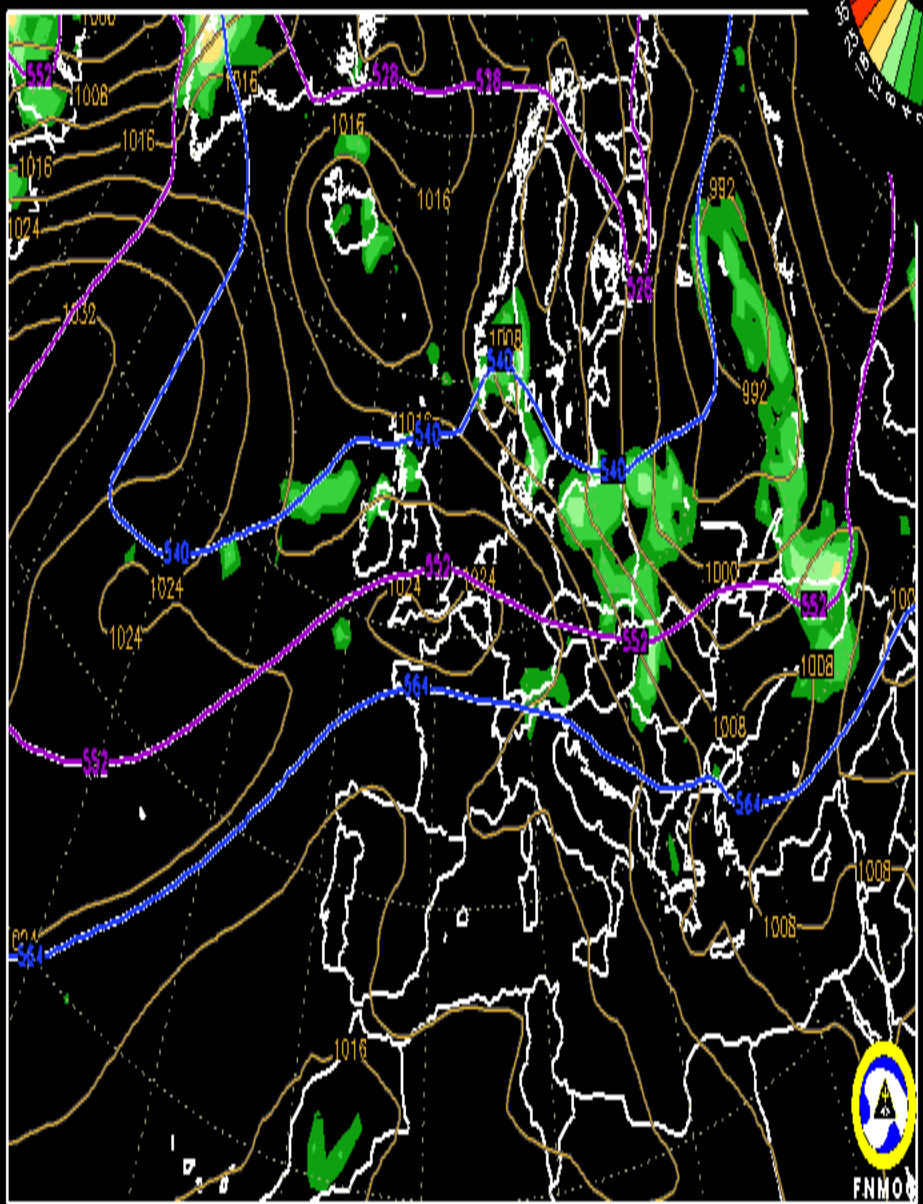
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

FMOC NOGAPS 2001053000 run t.0 Fields  $\tau = 0$  h



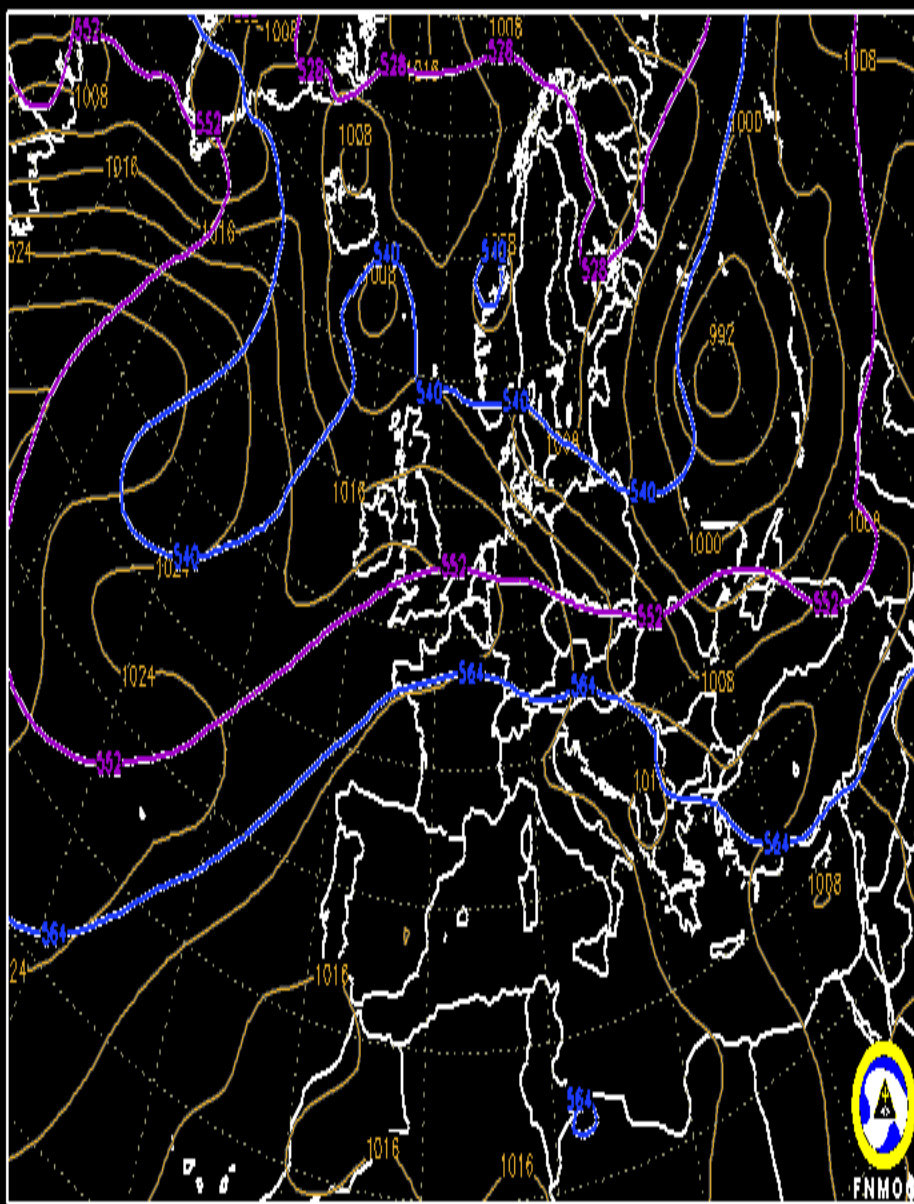
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

FMOC NOGAPS 2001052800 run t.0 Fields  $\tau = 48$  h



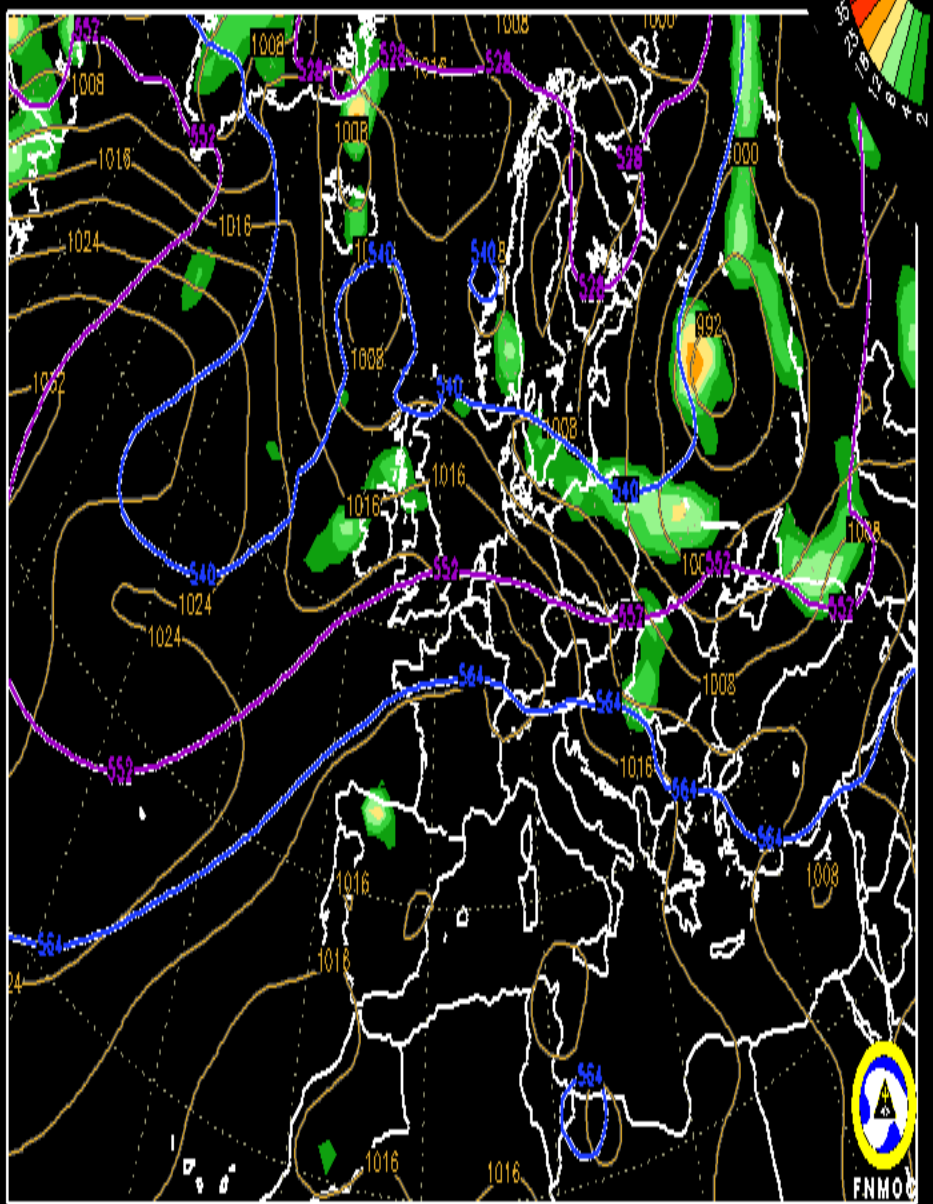
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

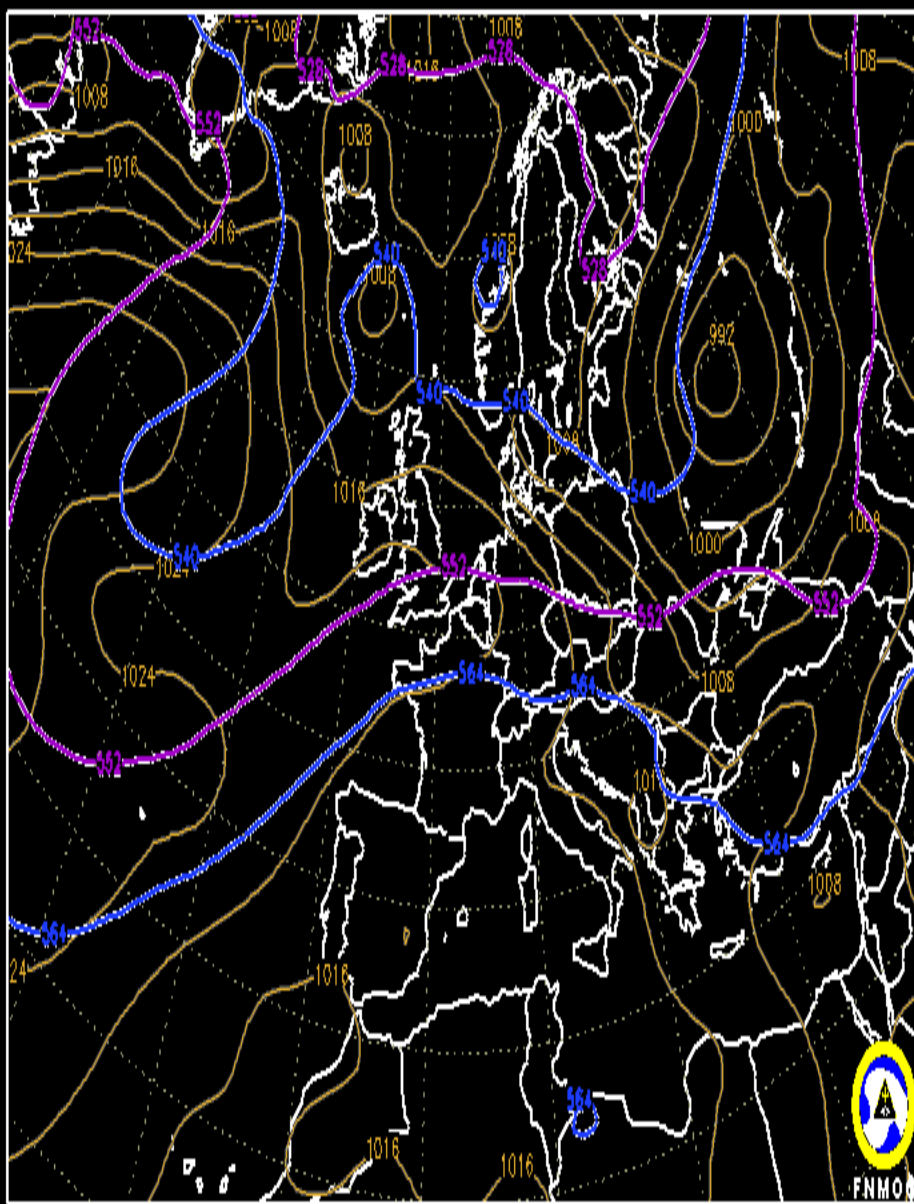
NCEP AVN 2001052912 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

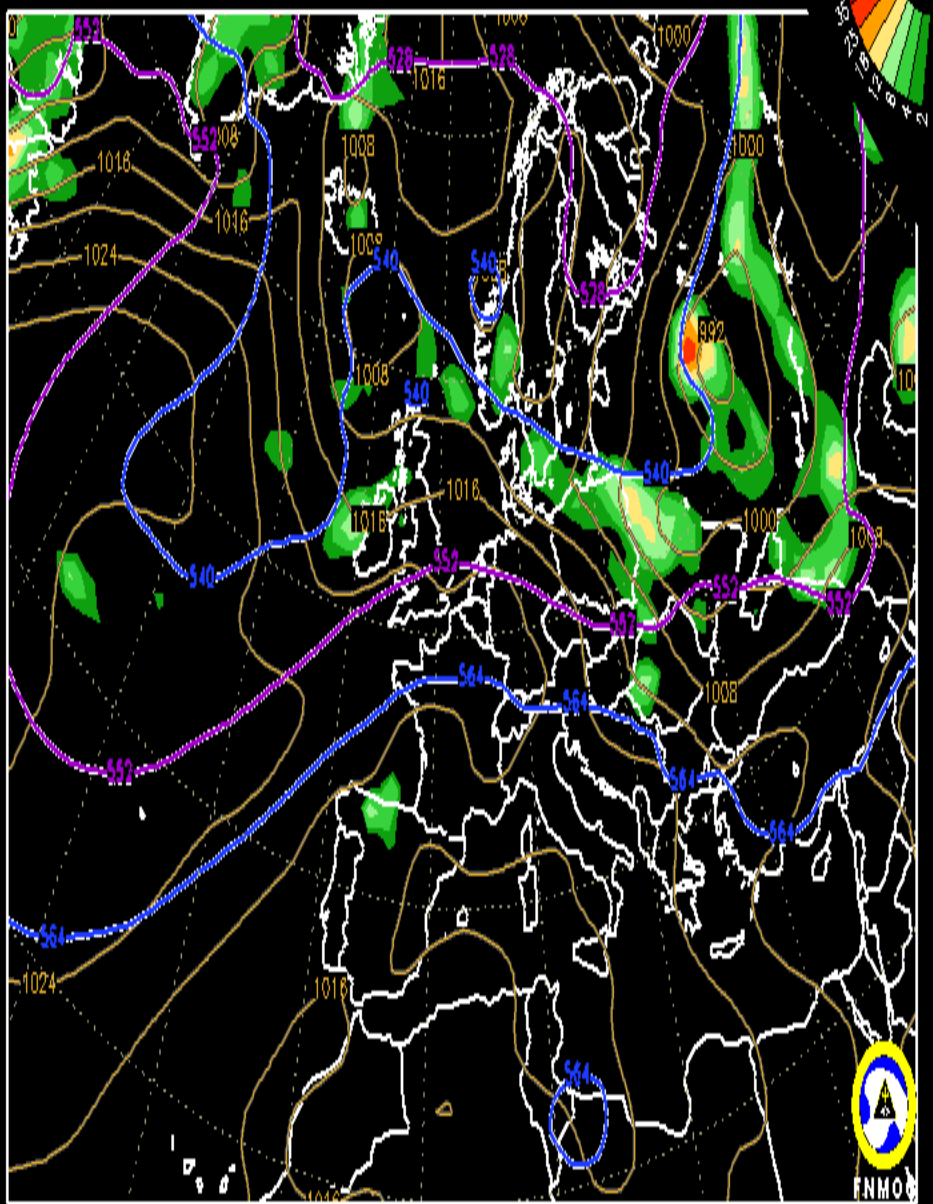


NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



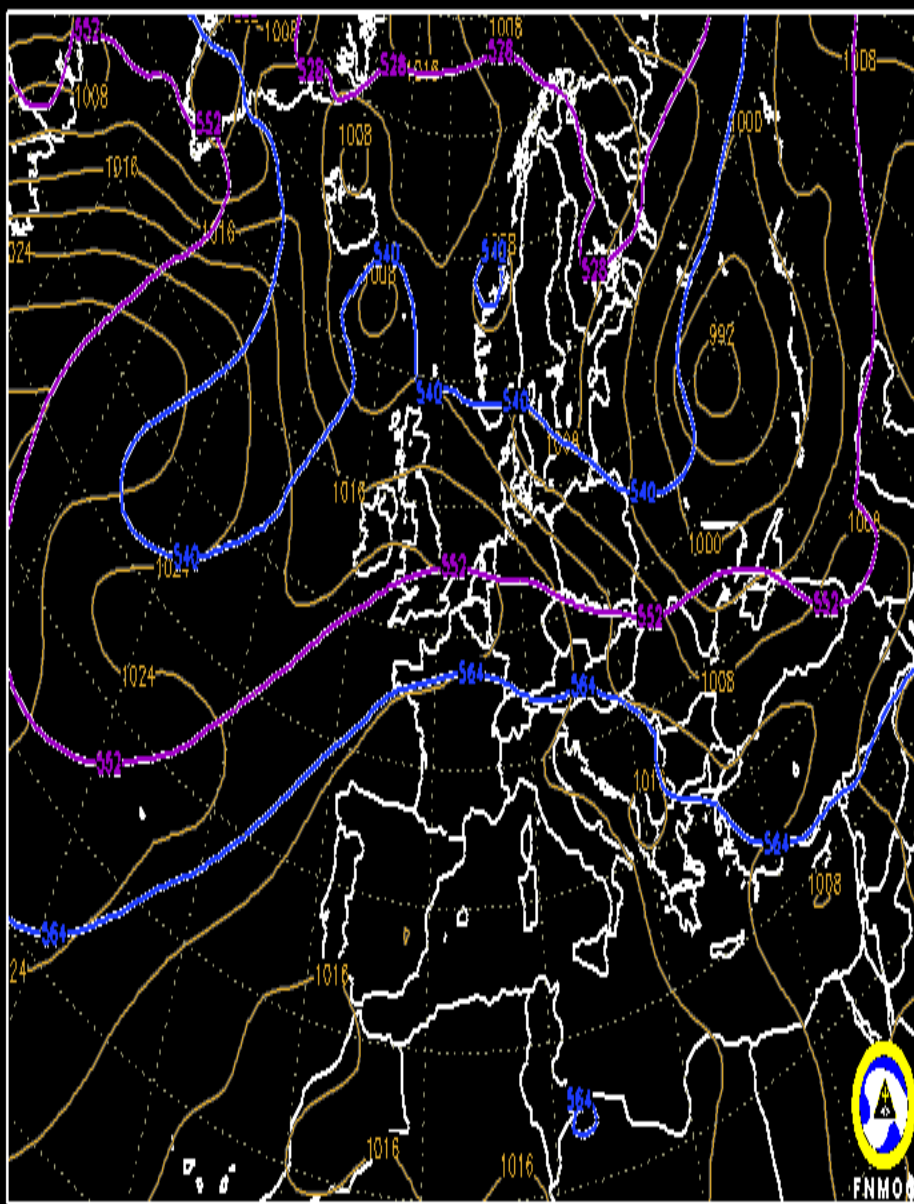
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

NCEP AVN 2001052900 run 1.0° Fields  $\tau = 24$  h



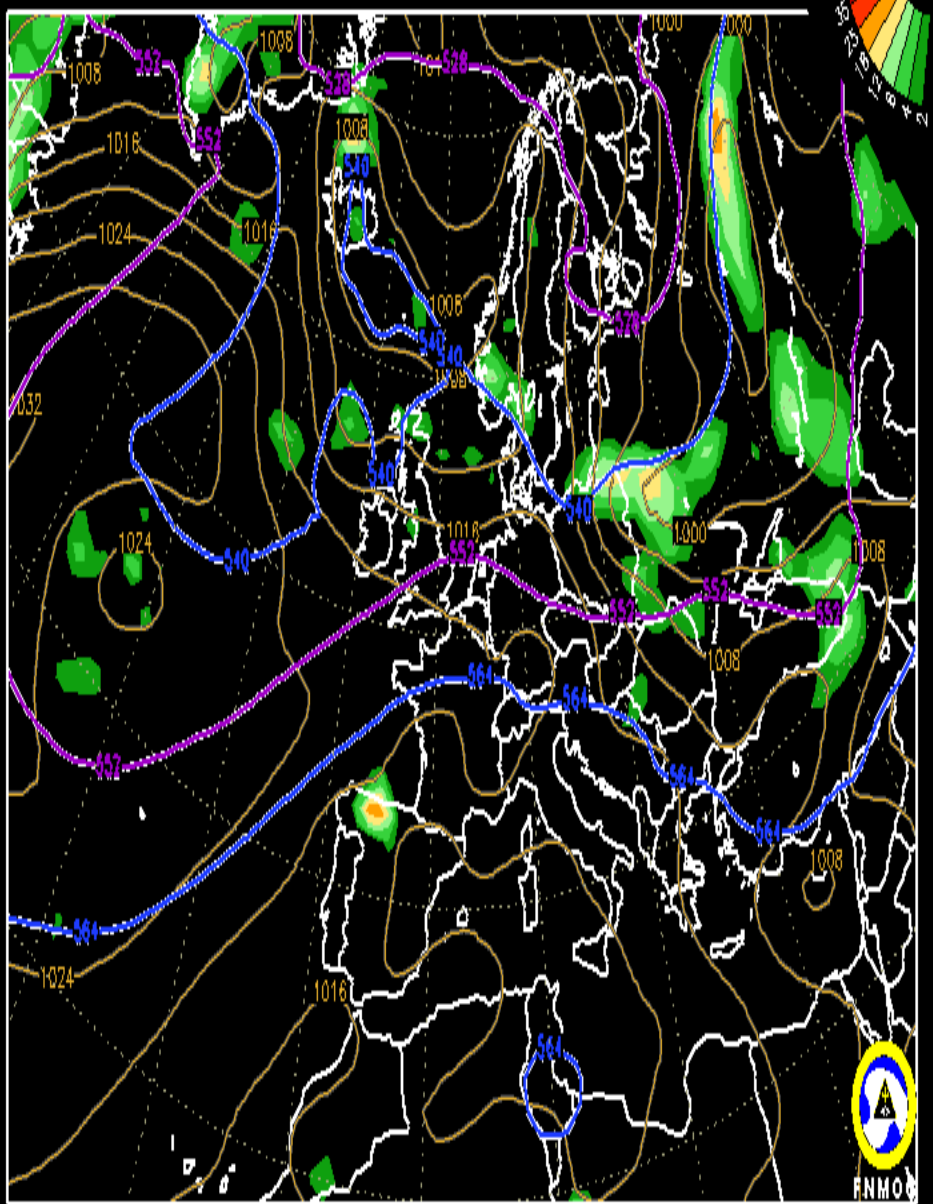
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

NCEP AVN 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

NCEP AVN 2001052800 run 1.0° Fields  $\tau = 48$  h



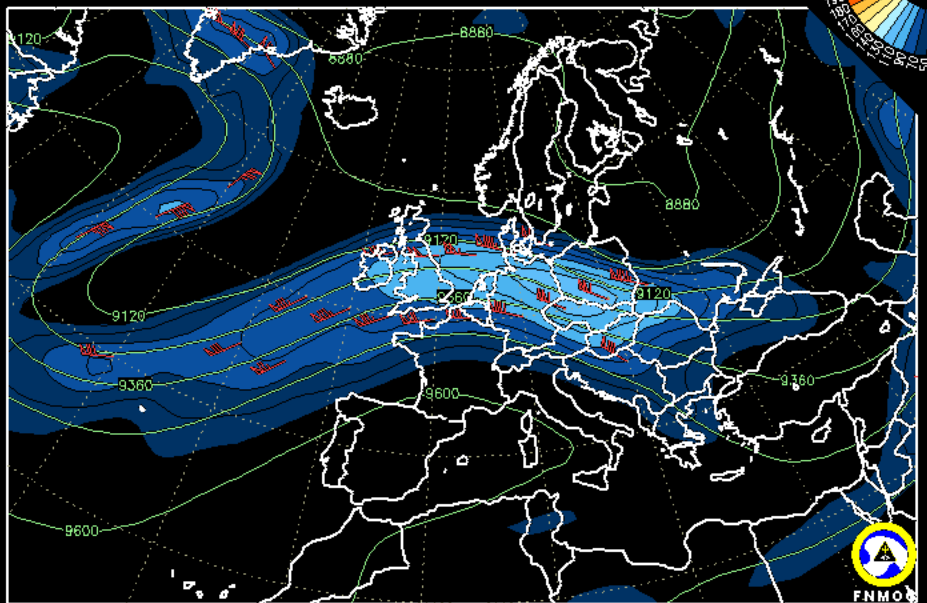
Verify: Wed 00Z 30 MSLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

**FORECAST**



300MB MODEL  
FORECAST  
COMPARISONS  
30 MAY 00Z

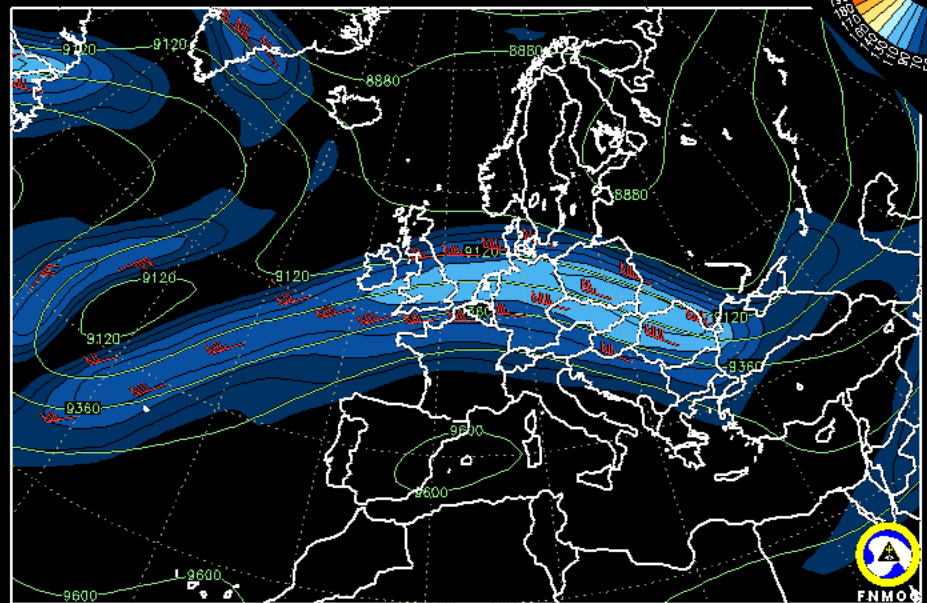
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 0$  h



Verify: Wed 00Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

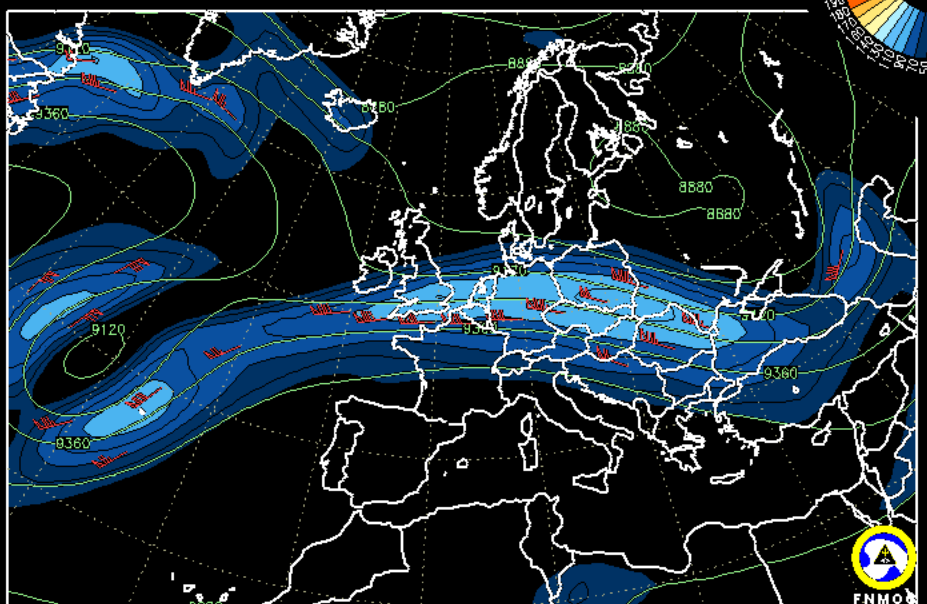
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MAY

300mb Heights [gpm] and Isolachs (kts)

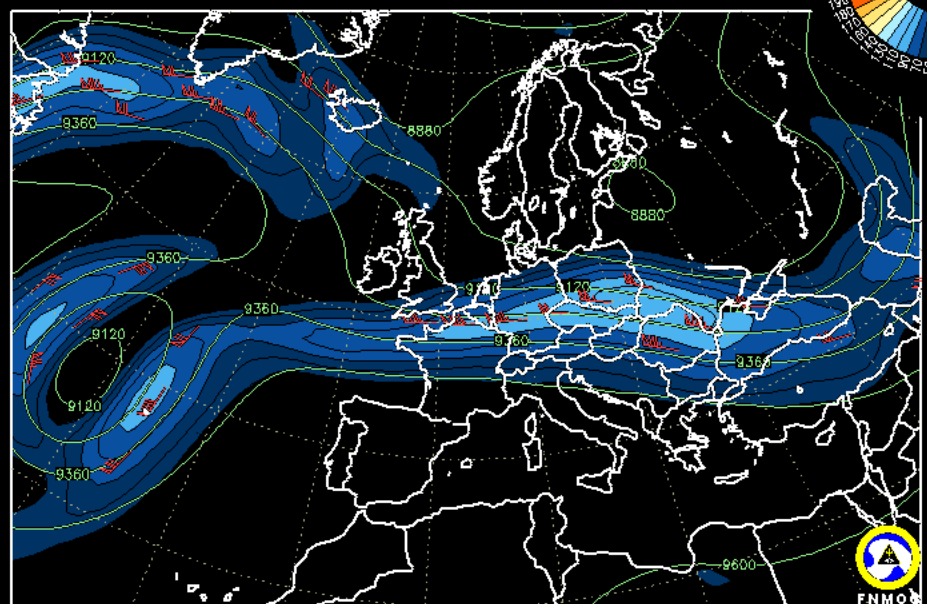
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 24$  h



Verify: Thu 00Z 31 MAY

300mb Heights [gpm] and Isolachs (kts)

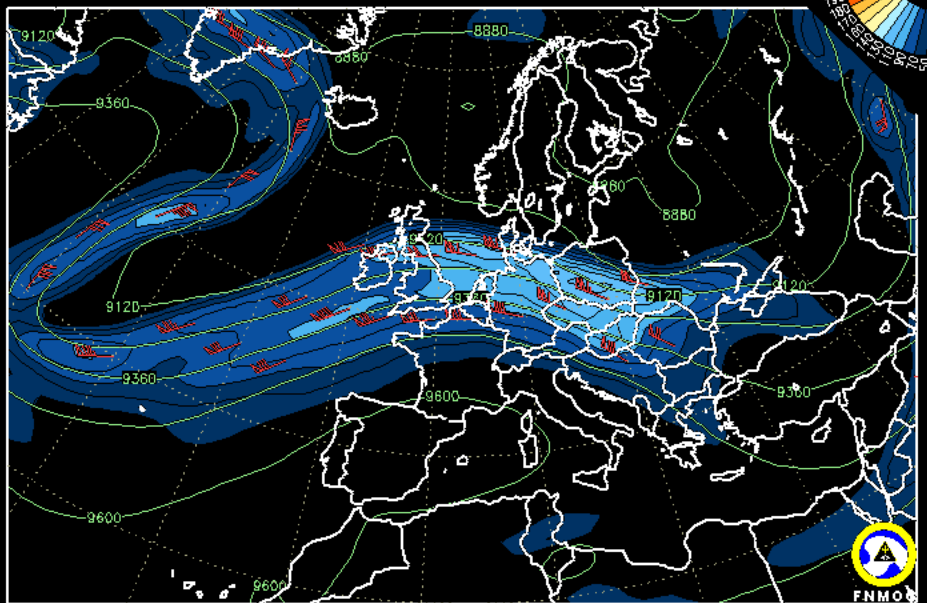
FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 36$  h



Verify: Thu 12Z 31 MAY

300mb Heights [gpm] and Isolachs (kts)

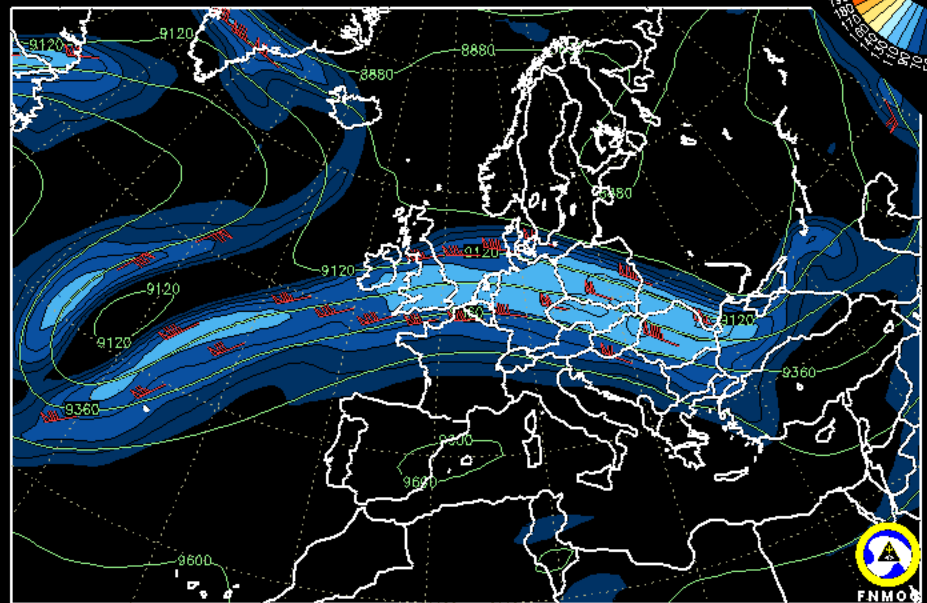
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Verify: Wed 00Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)

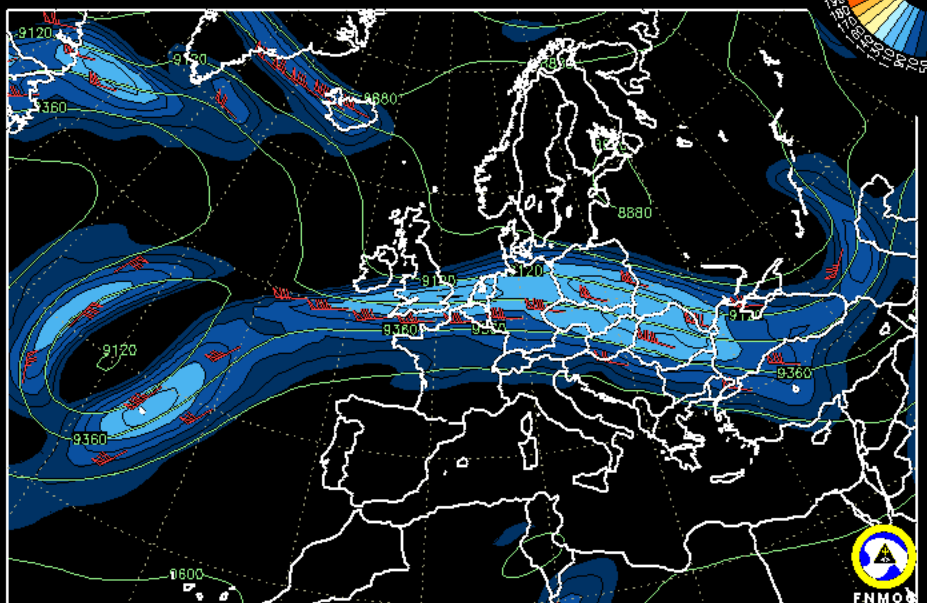
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MAY

300mb Heights (gpm) and Isolachs (kts)

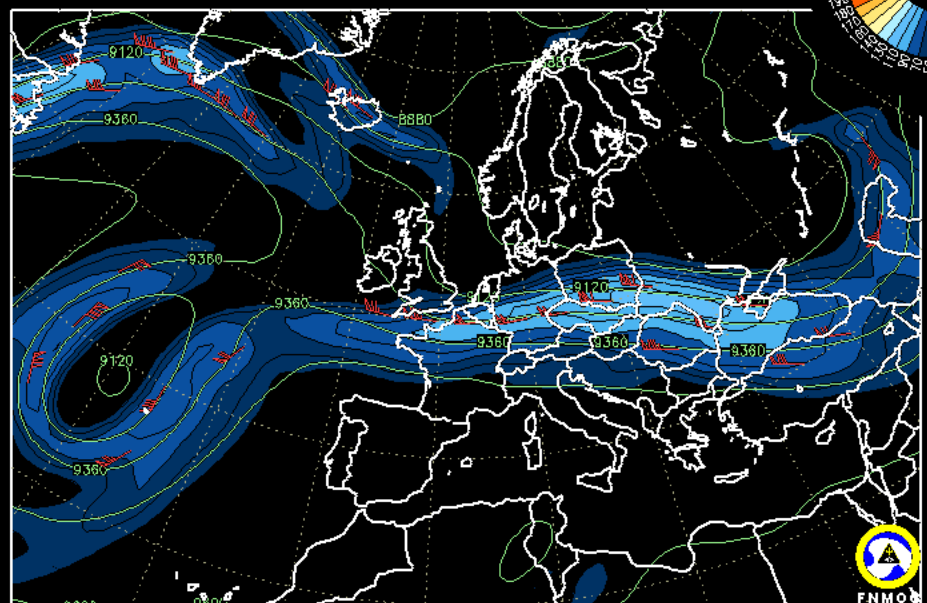
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 24$  h



Verify: Thu 00Z 31 MAY

300mb Heights (gpm) and Isolachs (kts)

NCEP AVN 2001053000 run 1.0° Fields  $\tau = 36$  h



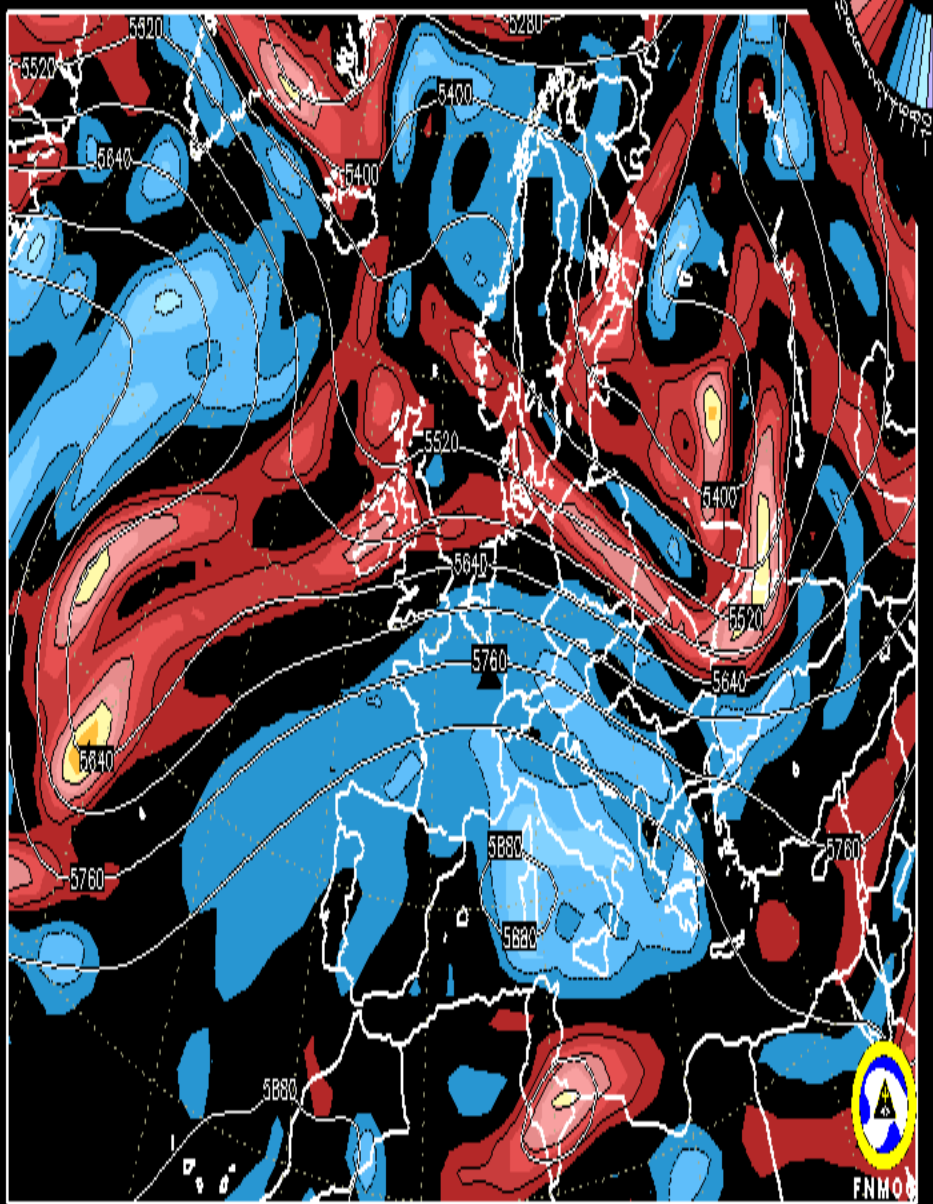
Verify: Thu 12Z 31 MAY

300mb Heights (gpm) and Isolachs (kts)



500MB MODEL  
FORECAST  
COMPARISONS  
30 MAY 00Z

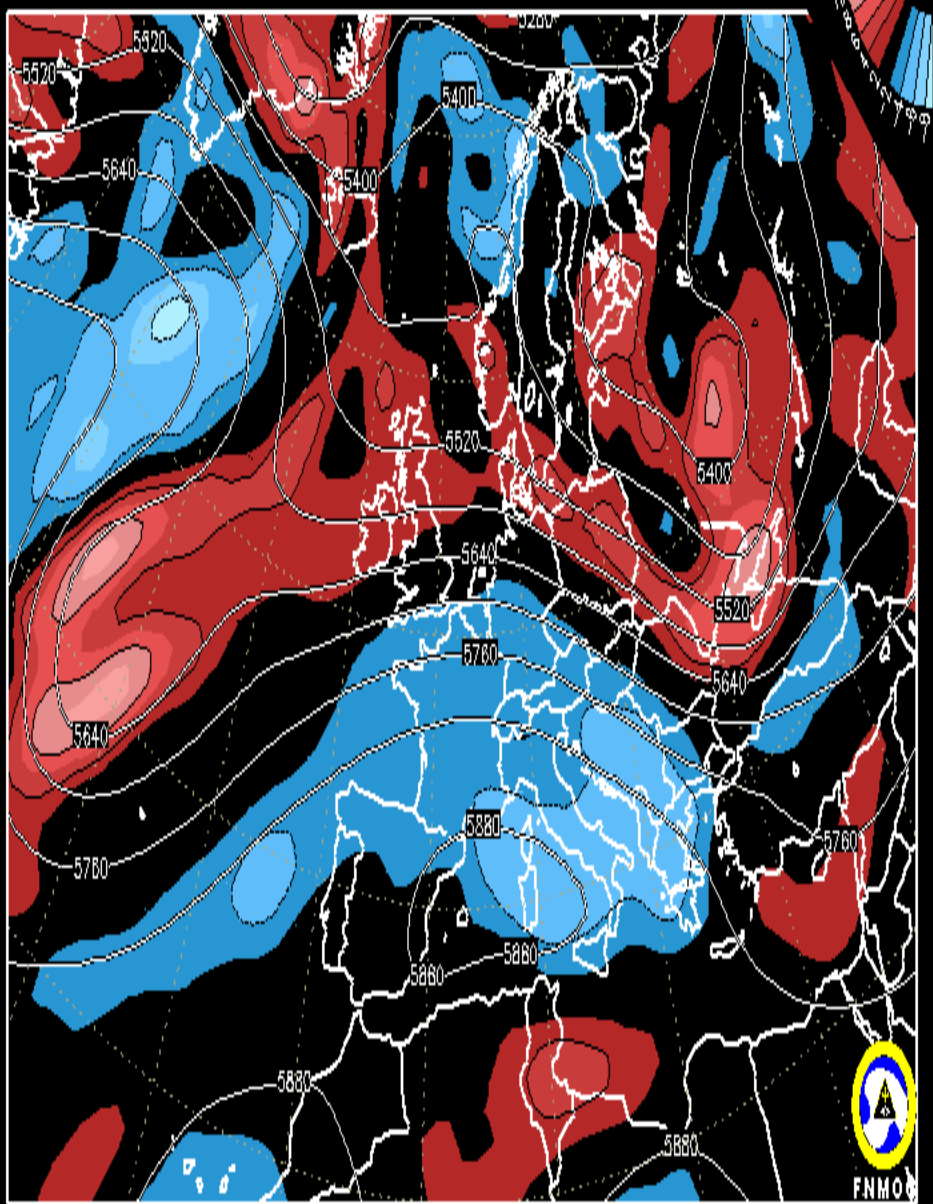
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MAY

500mb Heights / Rel Vort

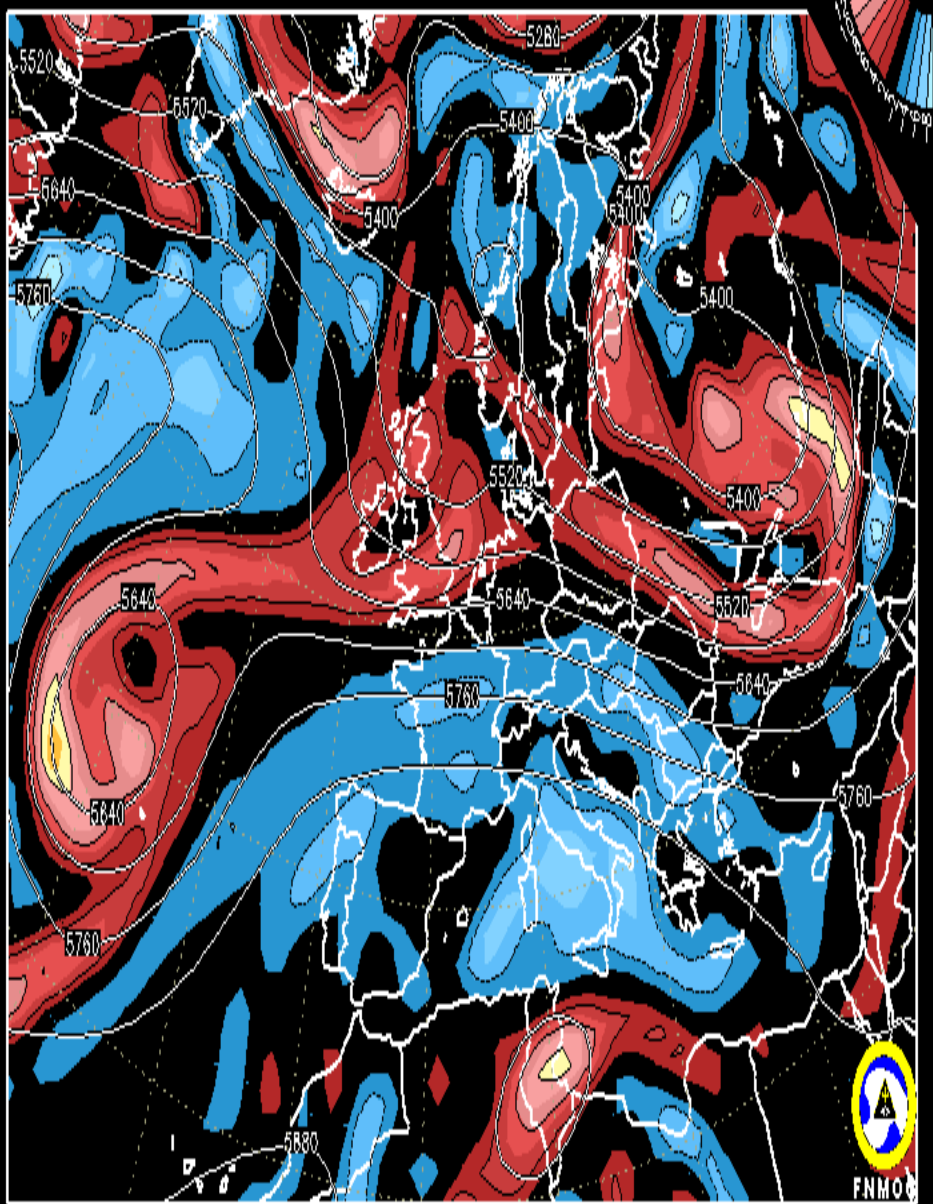
FMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MAY

500mb Heights / Rel Vort

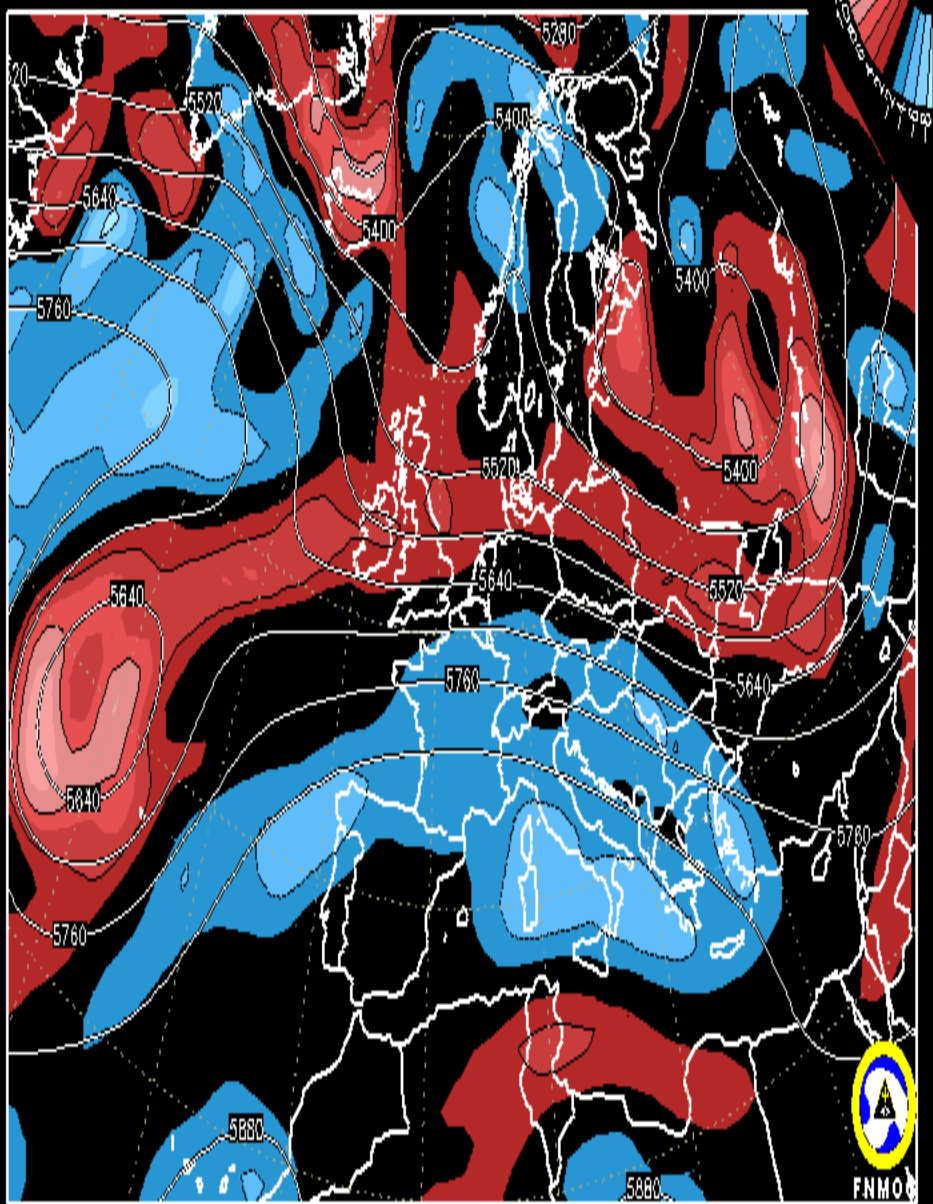
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 24$  h



Verify: Thu 00Z 31 MAY

500mb Heights / Rel Vort

FNMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 24$  h

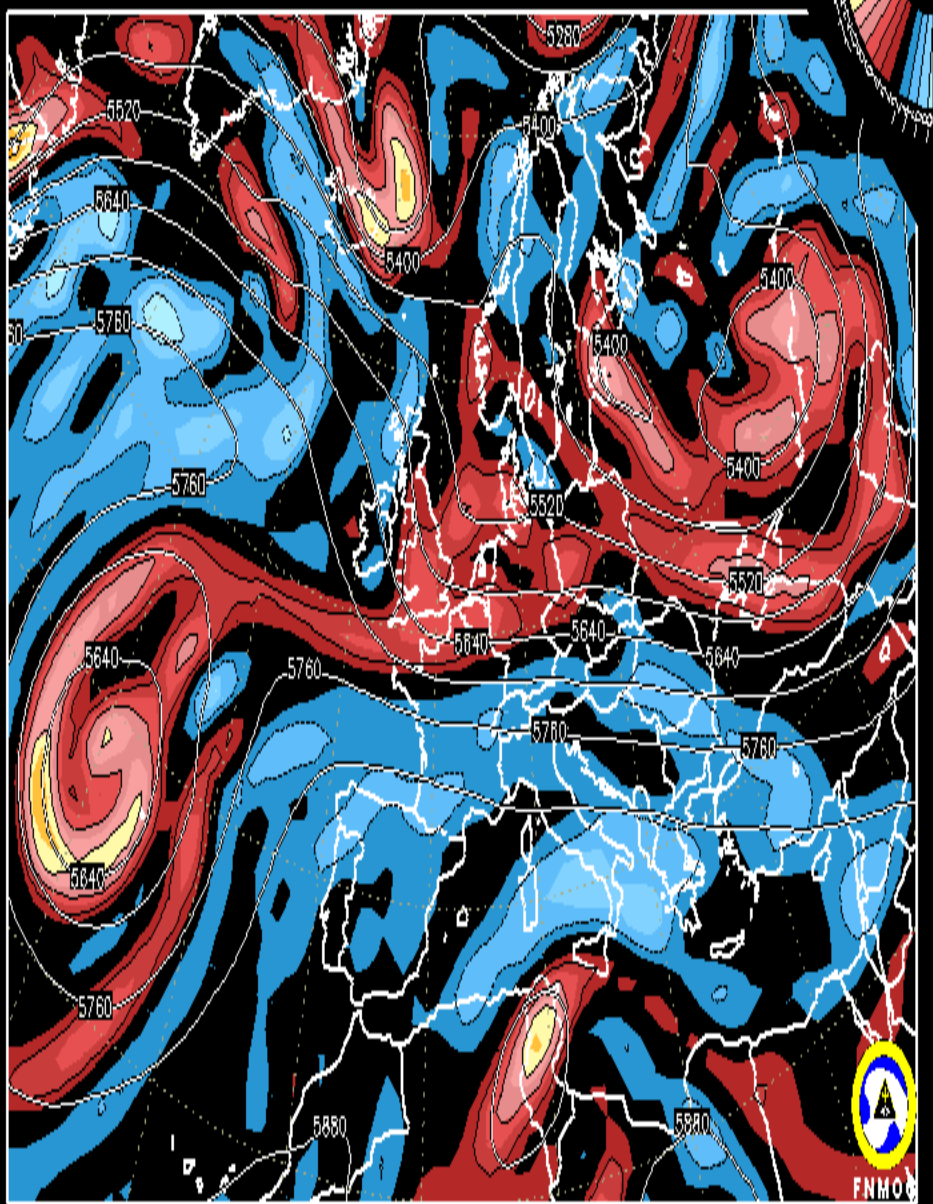


Verify: Thu 00Z 31 MAY

500mb Heights / Rel Vort



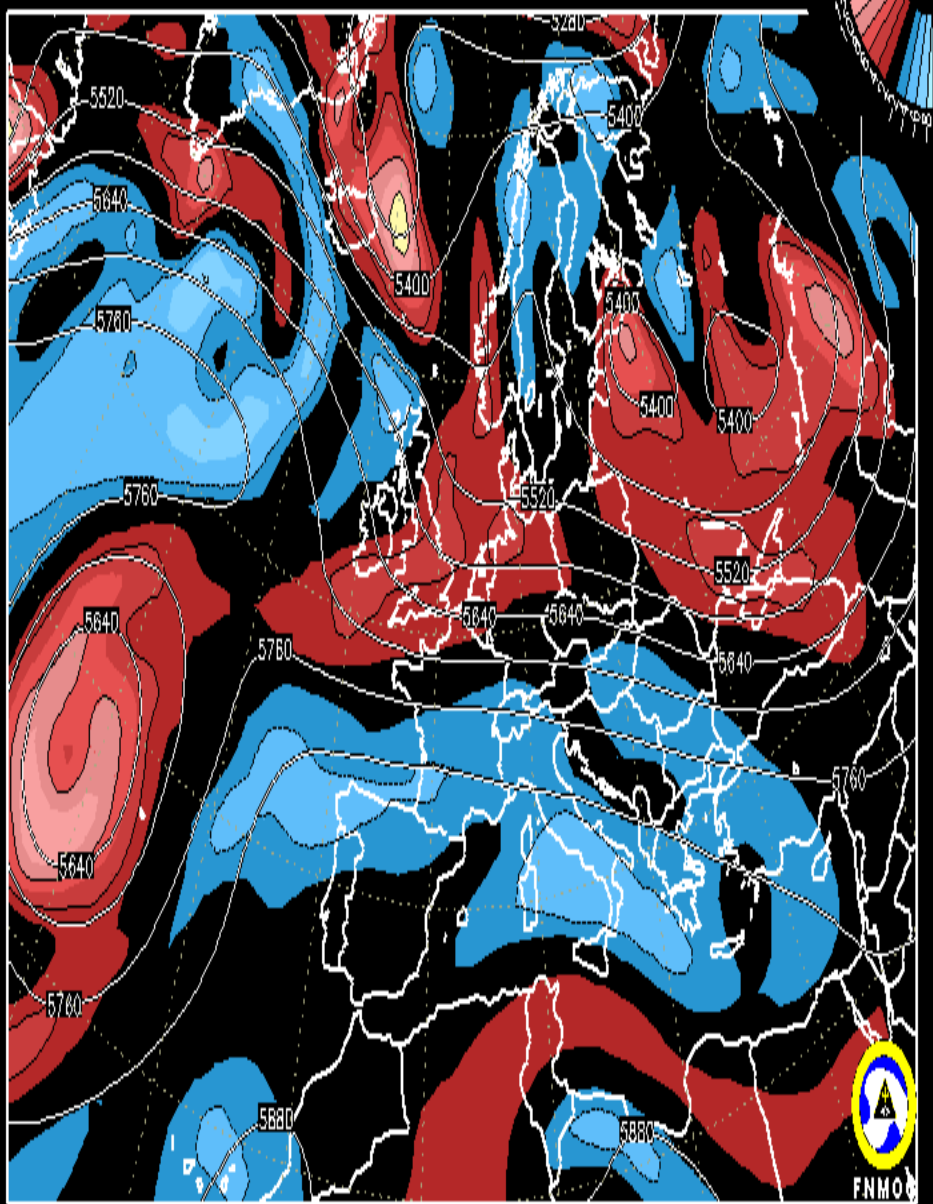
NCEP AVN 2001053000 run 1.0° Fields  $\tau = 36$  h



Verify: Thu 122 31 MAY

500mb Heights / Rel Vort

FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 36$  h

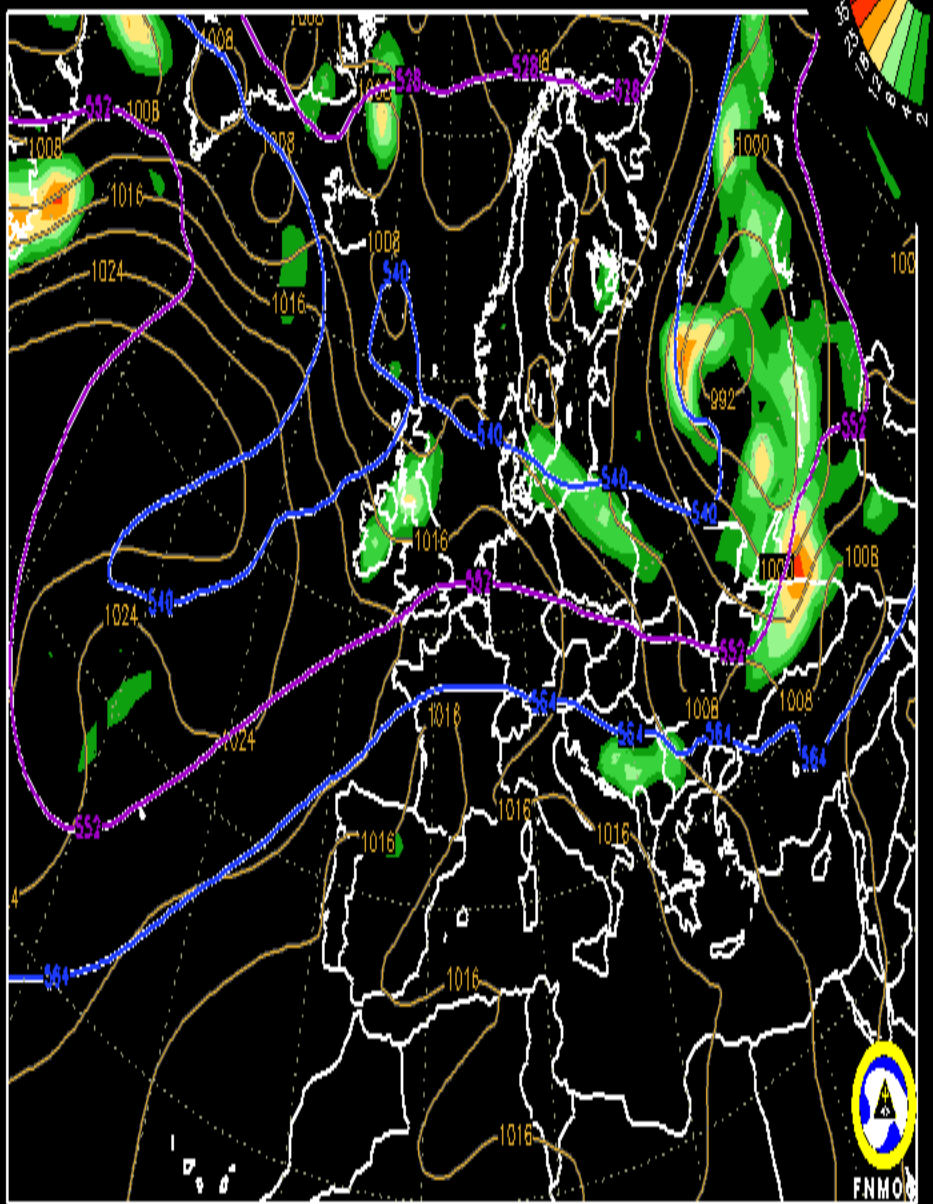


Verify: Thu 122 31 MAY

500mb Heights / Rel Vort

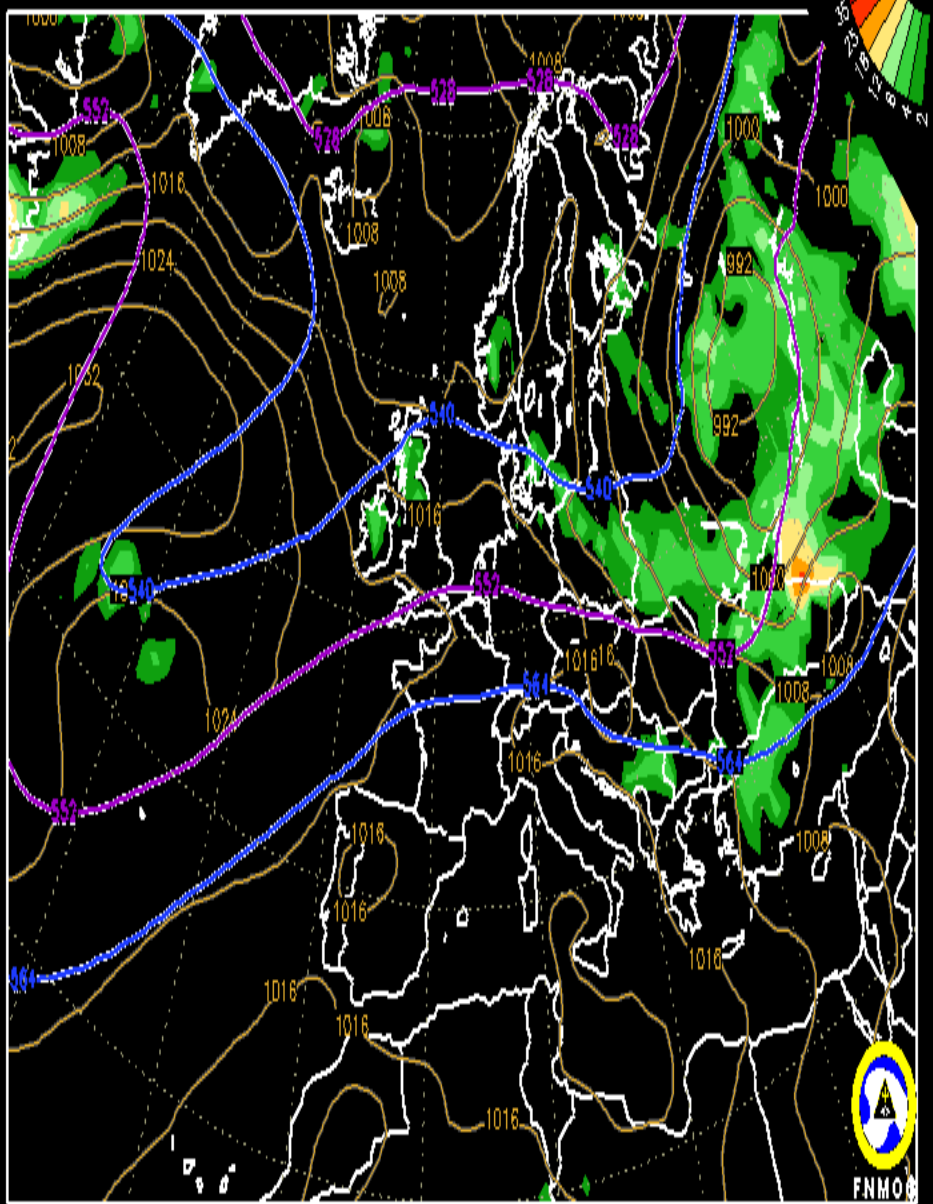
SURFACE MODEL  
FORECAST  
COMPARISONS  
30 MAY 00Z

NCEP AVN 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MASLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

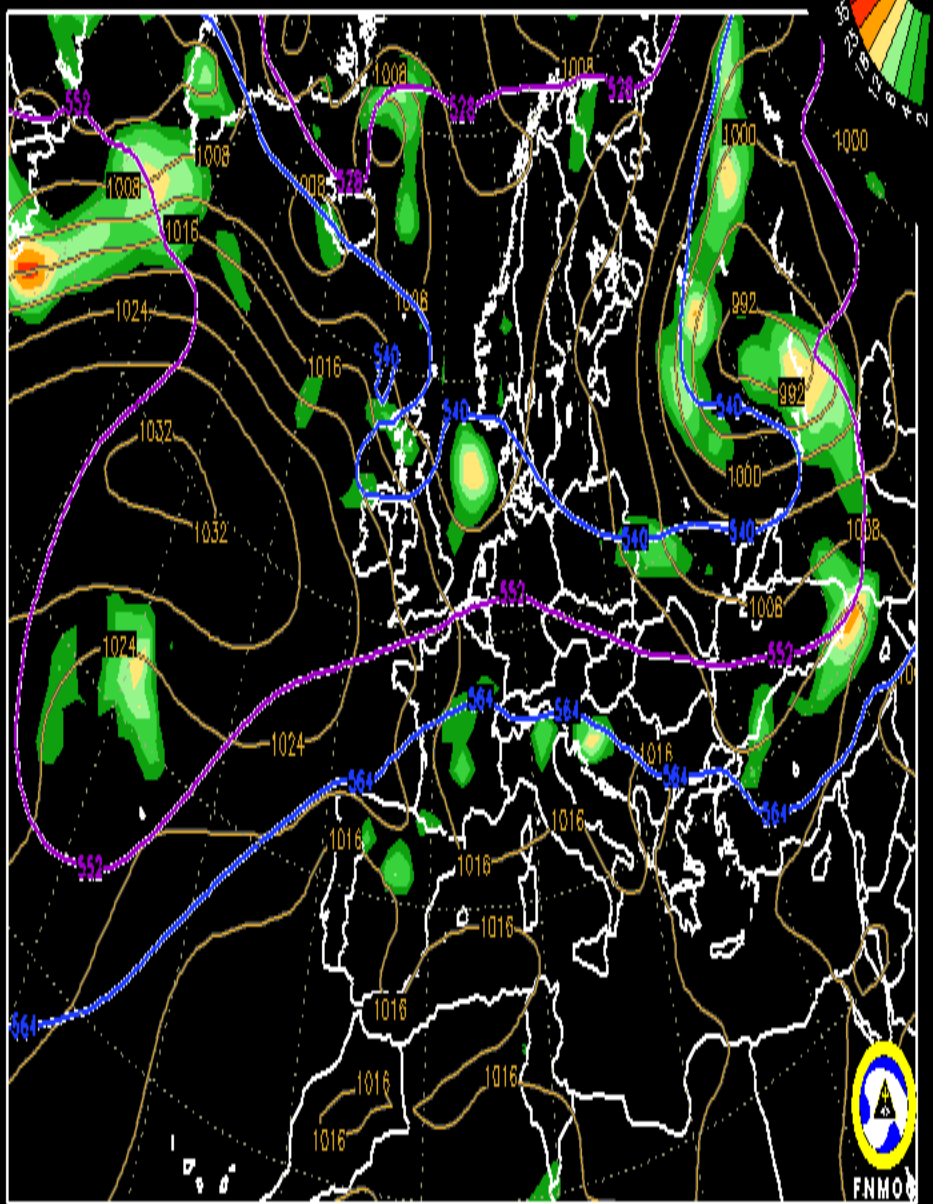
FNMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 12$  h



Verify: Wed 12Z 30 MASLP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

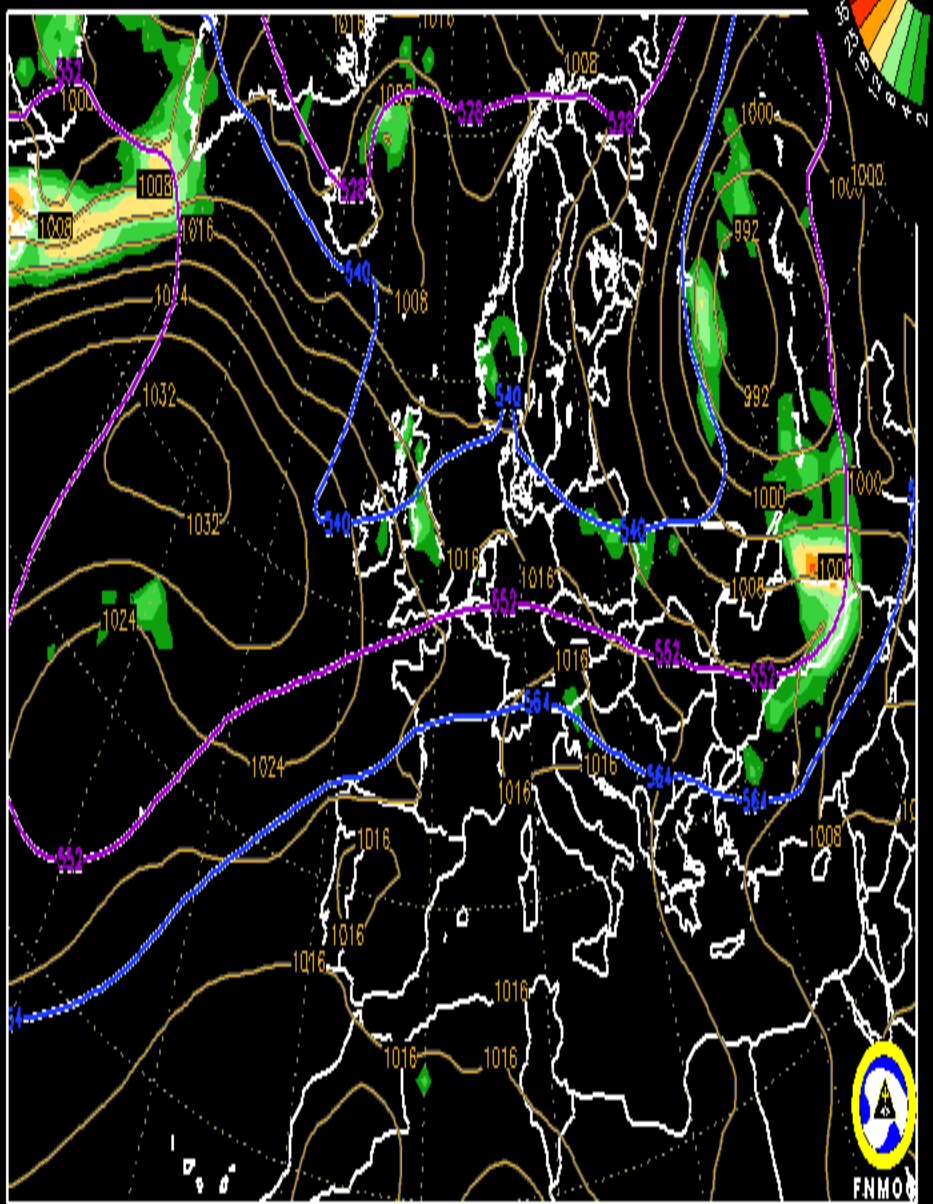


NCEP AVN 2001053000 run 1.0° Fields  $\tau = 24$  h



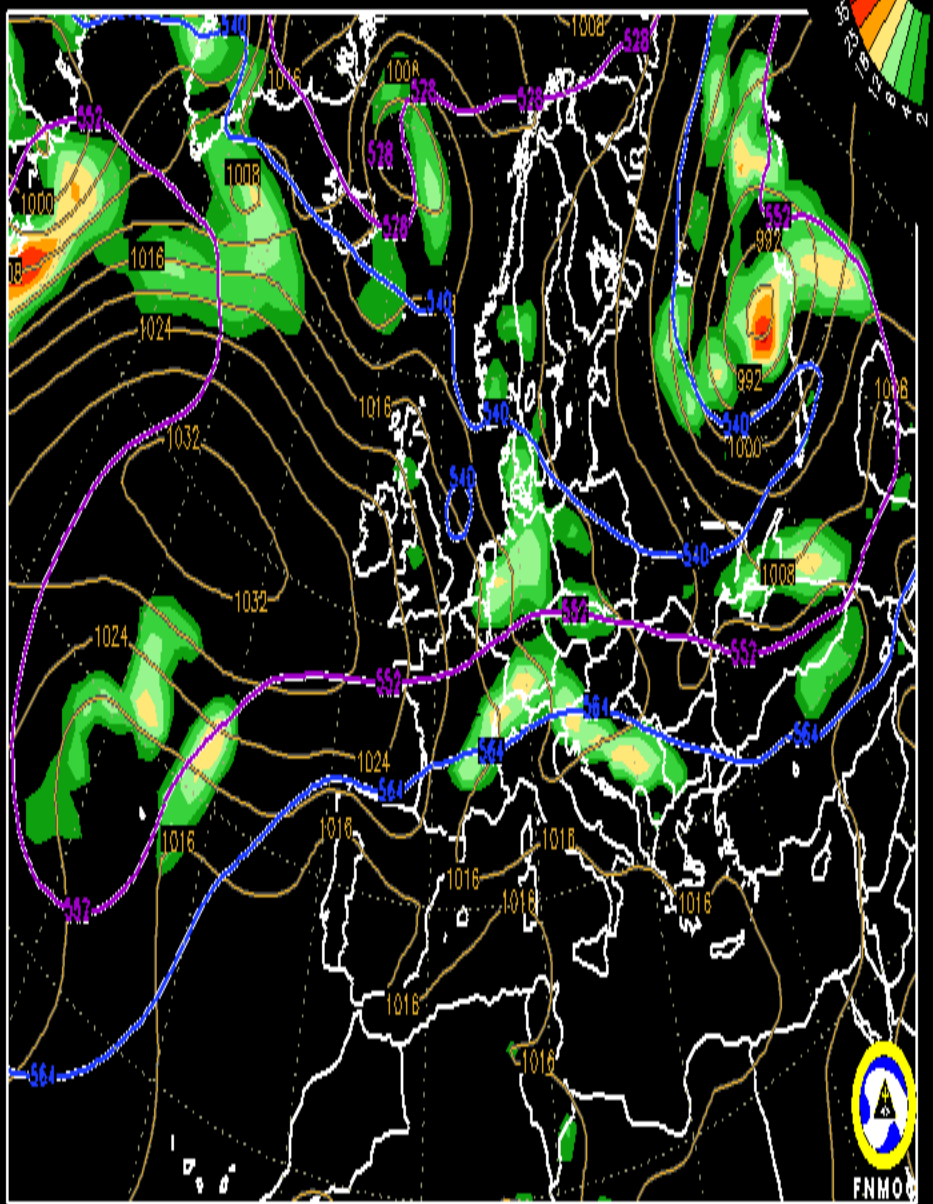
Verify: Thu 00Z 31 MAY6LP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

FNMOG NOGAPS 2001053000 run 1.0° Fields  $\tau = 24$  h



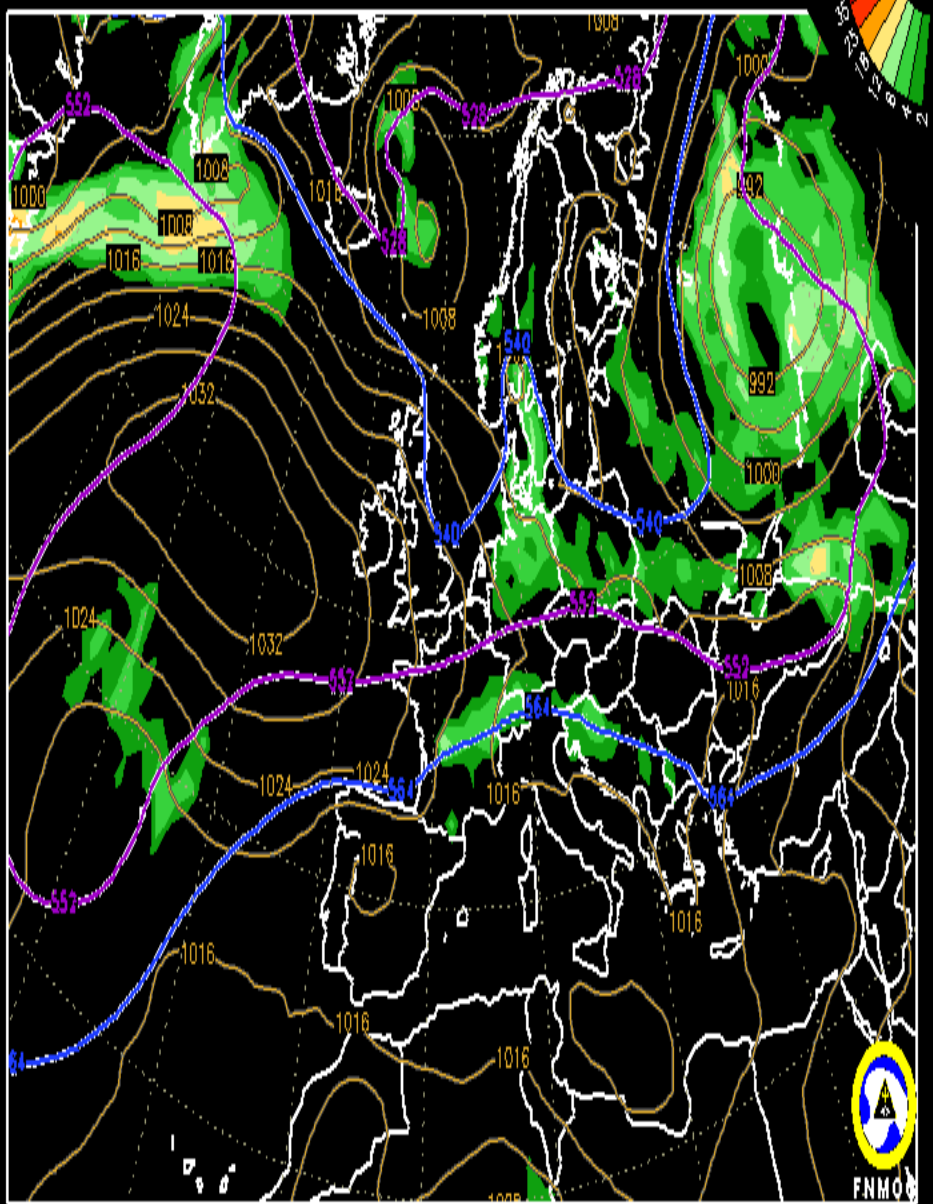
Verify: Thu 00Z 31 MAY6LP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

NCEP AVN 2001053000 run 1.0° Fields  $\tau = 36$  h



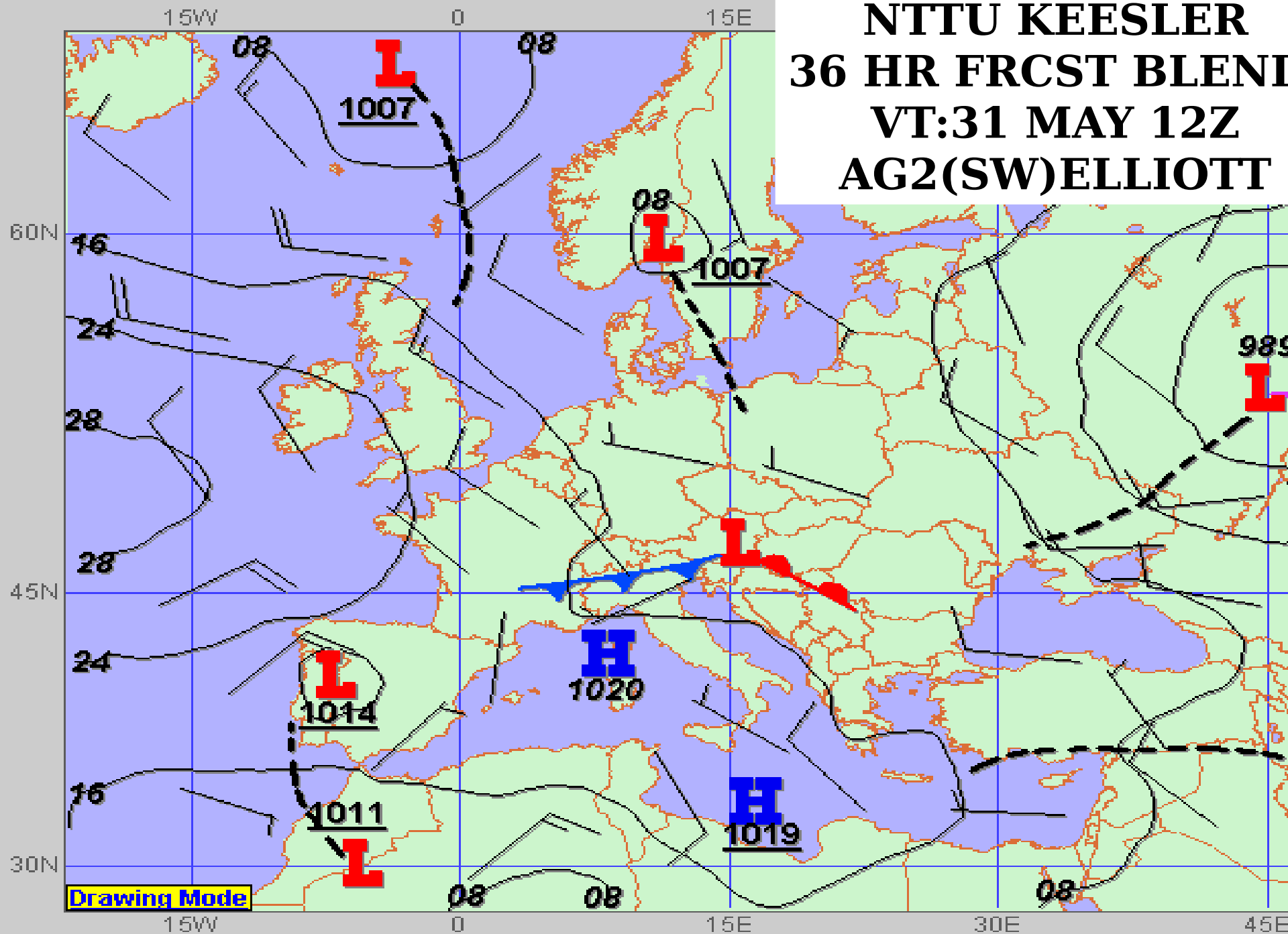
Verify: Thu 12Z 31 MAY6LP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

FNMOC NOGAPS 2001053000 run 1.0° Fields  $\tau = 36$  h



Verify: Thu 12Z 31 MAY6LP [hPa]/540,528 thk Line/Prev 12-hr Precp Rate [mm/12hr]

**NTTU KEESSLER**  
**36 HR FRCST BLEND**  
**VT:31 MAY 12Z**  
**AG2(SW)ELLIOTT**





**NTTU KEESSLER  
ANAL BLEND  
VT:30 MAY 00Z  
AG2(SW)ELLIOTT**

